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BULLETIN OF

Cooper College

Sterling, Kansas

March 1916

1915-16



UNIVERSITY OF KANSAS

JUN 10 1915

Catalogue

1915-1916

INCLUDING ANNOUNCEMENTS FOR 1916-1917

Cooper Quarterly

VOLUME 20

NUMBER 79

Twenty-ninth Annual CATALOGUE

General Information

Outline of Courses for 1916-1917

Register of Students for 1915-1916

STERLING, KANSAS

March 1916

Published Quarterly by Cooper College and entered at Sterling, Kansas,
as Second Class Mail Matter, Under Act of Congress of July 16, 1894.

CALENDAR—1916-1917

1916

May 4—8:15 p. m.....	Art Program
May 5.....	May Day Fete
May 28—3:00 p. m.....	Farewell Meeting of Christian Associations
May 28—8:15 p. m.....	Baccalaureate Sermon President Campbell, D. D.
May 29—10:00 a. m.....	Farewell Chapel Service
May 29—8:15 p. m.....	Faculty Recital—Music and Expression
May 30—9:00 a. m.....	Meeting of College Board
May 30—10:00 a. m.....	Department Recital
May 30—2:00 p. m.....	Class Day Exercises
May 30—4:00 p. m.....	Ball Game
May 30—7:00 p. m.....	College Sing (Campus)
May 30—8:15 p. m.....	Inter Society Program
May 31—9:30 a. m.....	Graduation Exercises
May 31—12 m.....	Alumni Banquet
May 31—7:30 p. m.....	College Play

1916-1917

September 11—Monday.....	Local Registration Day
September 12—Tuesday.....	Registration Day
September 13—Wednesday.....	Opening Address
November 15—Wednesday.....	First Term Ends
November 16—Thursday.....	Second Term Begins
December 19—Tuesday, 5 p. m.....	Holiday Vacation Begins
January 3—Wednesday—1917.....	School Re-opens
January 30—Tuesday.....	Registration for Second Semester
January 31—Wednesday.....	Second Semester Begins
February 11—Sabbath.....	Day of Prayer for Colleges
April 3—Tuesday.....	First Term Ends
April 4—Wednesday.....	Second Term Begins
May 4—Friday.....	May Day Fete
June 3 to June 6.....	Commencement Exercises
June 6—Wednesday.....	Commencement Day

BOARD OF TRUSTEES



By reason of a recent change in the College charter the governing body, formerly known as the Senate, is now known as the Board of Trustees.

For the transaction of routine and special business in the interim of Board meetings there exists an Executive Committee. The personnel of these bodies is as follows:



BOARD OF TRUSTEES

President, H. R. Ross, M. D. Secretary, W. E. Currie, M. D.

Term expires 1916: Rev. S. C. Tharp, Pretty Prairie, Kansas; J. B. Sanders, Cottonwood Falls, Kansas; S. R. Lyons, Sterling, Kansas; E. E. Potter, Sterling, Kansas; Rev. J. A. Greer, Hutchinson, Kansas.

Term expires 1917: J. D. Lytle, Richmond, Kansas; Rev. S. R. McLaughlin, Arkansas City, Kansas; H. R. Ross, Sterling, Kansas; J. H. Stavely, Lyndon, Kansas; G. W. Weede, Sterling, Kansas.

Term expires 1918: H. B. Kilbourn, Sterling, Kansas; W. E. Currie, Sterling, Kansas; Rev. W. M. Jackson, Topeka, Kansas; W. B. Graham, Sterling, Kansas; O. S. Johnston, Hutchinson, Kansas.

Rev. F. M. Spencer, D. D., life member with optional attendance.



EXECUTIVE COMMITTEE

H. R. Ross, M. D., Chairman	W. E. Currie, M. D., Secretary
S. R. Lyons	H. B. Kilbourn
	R. T. Campbell
Talmon Bell.....	Treasurer of Current Fund
S. A. Wilson.....	Treasurer of Endowment Fund

FACULTY



REV. ROSS TURNER CAMPBELL, D. D. (Westminster)

President

Professor of Biblical History and Literature

REV. FRANK M. SPENCER, D. D.

President Emeritus

SAMUEL A. WILSON, A. M. (Monmouth)

Professor of Ancient Languages

TALMON BELL, A. M. (Chicago Univ.)

Professor of Mathematics

ROBERT M. HORNER, A. M. (Monmouth)

Professor of Biology and Physics

GEORGE E. MILLER, M. S. (Wooster)

Professor of Chemistry

ALTHEA E. MONTGOMERY, A. M. (Iowa Univ.)

Professor of English Language and Literature

EDNA L. FORREY, A. M. (Miami Univ.)

Professor of Modern Languages

LELAND S. HAMILTON, A. M. (Indiana Univ.)

Professor of History

FELIX B. ROSS, A. M. (Iowa Univ.)

Professor of Philosophy

ALICE M. CHILDS, A. B. (Monmouth)

Professor of Education

FREDERICK W. STAVELY

Assistant in Chemistry

FACULTY



INSTRUCTORS IN PREPARATORY DEPARTMENT, 1915-1916

JOHN HUMPHREYS

Mathematics

FRANK H. WRIGHT

History, Caesar

RUTH THOMPSON

Mathematics



SPECIAL DEPARTMENTS

ALICE M. BROWN

Instructor in Art

JOHN HENRY HINSHAW

Stringed Instruments, Orchestra

EDNA M. RAIT

Piano, Harmony and Theory

RALPH W. SOULE

Voice, Chorus

HELEN LOUISE McCLANAHAN

Director of Expression

DR. G. W. WEEDE

Director of Athletics

HELEN LOUISE McCLANAHAN

Director of Women's Gymnasium Work

CORA AMOS

Librarian

FACULTY ORGANIZATION



Ross Turner Campbell, D. D.....	President
George E. Miller.....	Vice President
Robert M. Horner.....	Secretary
George E. Miller.....	Registrar
Cora Amos.....	Librarian
Althea Montgomery.....	Dean of Women
George E. Miller.....	Dean of Men
Howard E. Scott.....	Stenographer
O. W. Mitchell.....	Janitor



COMMITTEES

Athletic

President Campbell

Professor Hamilton

Credits and Registration

Professor Miller

Miss Montgomery

Miss McClanahan

Ladies' Hall

The President

Dean of Women

Library

Professor Wilson

Miss Childs

Professor Bell

Lecture Course

Professor Ross

Faculty Functions

Prof. Soule

Miss Forrey

Miss McClanahan

Student Functions

Professor Miller

Miss Montgomery

Dr. Campbell

Student Government Association

Professor Wilson

Professor Horner

COLLEGE ORGANIZATIONS



Alumni Association

The Alumni meet annually and nominate two of their number to the Board of Trustees. The support of the Alumni is a most encouraging feature and prophesies a large future for Cooper. Plans are developing for making the annual meeting an event of much greater importance and interest.

Athletic Board

The Athletic Board is composed of two students, two faculty members and one trustee. This Board has immediate oversight of athletic interests and passes upon all items of financial import.



CHRISTIAN ASSOCIATIONS

Young Men's Christian Association

The Young Men' Christian Association is composed of men of the school who are interested in the aggressive maintainance of Christian character and work. A religious meeting open to all student men is held each Thursday morning at ten o'clock, in the college building.

During the past year the organization has been actively engaged in Bible and Mission study, and in Gospel Team work.

Young Women's Christian Association

The Young Women's Christian Association is an active organization, whose object is to promote Christian work among the women of the College. This association meets regularly Thursday morning at ten o'clock, and all women students are welcome at this service. During the past year Bible and Mission study classes have been a prominent feature of the association.

The combined work of the Y. M. and Y. W. C. A. is to make college life pleasant for everyone, especially new students. Committees meet all trains on the opening days of the school year, and aid students in finding lodging, and in many ways aid new students to get acquainted with college life. A public reception for all new

students is given by the Associations during the first week of the school year.

Cooper Courier

The Cooper Courier is a semi-monthly journal, issued by the students. It consists of news along all lines of the college life; athletic, class and social as well as items of general interest. The subscription price is \$1.00 the year, and during the past year over three-fourths of the student body subscribed. The staff consists of eight members, Editor-in-chief, two Assistants, Local, Athletic and Alumni Editors, Business Manager and Assistant Manager.

Glee Club

Two very efficient musical clubs have been organized this year. The Glee Club (men) and Treble Clef Club (women) have given excellent entertainments in Sterling and elsewhere.

Literary Societies

There are two Literary societies, Chrestomatheon and the Theomoron. These societies hold weekly meetings in their respective halls on Monday nights. Membership in either of these societies is gained by the election of the society. This affords an opportunity for acquiring practical training in public speaking as well as a working knowledge of parliamentary law. The literary society is also a prominent factor in the social life of the college.

Prohibition League

This organization develops an interest in the cause of temperance and fits men and women to act intelligently along prohibition lines. Each year an oratorical is held. In order to stimulate greater interest in this work, three prizes were offered this year. The first, ten dollars by First National Bank; the second, five dollars by the Citizens Bank; the third, a fountain pin by C. L. Carter.

Student Government Association

The objects of this association are to establish closer relations between students and faculty, to unify student interests, to provide for the general welfare of student organizations and to work for the best interests of the college.

All students of collegiate rank are members.

Legislative powers are vested in the association.

Executive powers are vested in an executive board of nine members, two of whom are from the faculty.

Officers may be recalled by a two-thirds vote after petition by twenty-five per cent of the members.

The right of petition is accorded to members.

Officers of the Cooper Courier are chosen by the association.

Student Volunteer Band

The Student Volunteer Band for Foreign Missions is made up of students who have declared their purpose to enter the foreign mission fields. This Band holds regular meetings for prayer and study of the various phases of the work in foreign fields.

Inter-Collegiate Debate

The value of inter-collegiate debate can hardly be overestimated, either from the standpoint of the college or the student.

The teams are chosen by primaries and by election, thus giving an opportunity for all who wish to enter.

The work is under the charge of a student committee and is supervised by members of the faculty.

Assembly Visitation

A series of chapel addresses and Sabbath services of unusual inspiration was afforded through the appointment of Rev. W. A. McColloch, of Pittsburg, Pa. Mr. McColloch is chairman of the Evangelistic Committee of the United Presbyterian Church.

May Day Fete

Friday, May 5, is May Day. All neighboring High School Seniors are invited.

Among the features of the day is the May Queen pageant and coronation, drills and dances.

History-Politic Club

The History-Politic Club was organized in the fall of 1915-16. It consists of those majoring in History and Political Science and others who may be elected to membership on account of their interest in these subjects.

COLLEGE STANDARDS



Present Resources

The physical equipment of the institution is valued at \$75,000. The endowments have been materially increased during the past year. On July 1, 1914, the college, having satisfactorily met the requirements for the Carnegie Fund, Andrew Carnegie sent his check for \$20,000. This was the occasion for much rejoicing by those, who for years, have fostered the hope, that this gift might be realized. The total endowment is now \$180,000, \$100,000 of which is invested in real estate first mortgage loans.

Fully Accredited

Full credit is given by the University of Kansas for work done at Cooper. Cooper has for several years been on the accredited list of institutions published by the State Board of Education.



GENERAL INFORMATION



Historical

Cooper College was founded in 1887. Since that time more than two thousand students have enrolled in the various departments. The attendance has made gradual but substantial increase. In 1890 there were eight students of college rank. In 1910 there were fifty; in 1914, one hundred six; in 1915 one hundred twenty-three. Formerly Cooper's Academy exceeded the college in enrollment, but the rapid extension of the Kansas public school system, providing practically every community with a free High School has caused the Academy department to become a less important factor. Preparatory work is offered in response to individual demands, but Cooper now concentrates her energies more directly about the regular collegiate departments.

Aim

Cooper College abides true to the aim of her founders.

The aim in founding the institution was to provide a thorough Christian education. True to this ideal, the college has emphasized two things: sturdy intellectual attainments and stalwart character. To acquire these has been and is the great desideratum placed before teacher and student. As an indispensable aid Biblical study is accorded an important place in the curriculum. It is the deliberate intent of the instructors to inspire faith in Scripture on the part of every student, and to point the way to active Christian service in a fitting field.

No institution can be loyal to such an ideal as that without getting a clearer vision of her sphere and of the eternal worthiness of her mission.

Location

Cooper College is located at Sterling, Rice County, Kansas. Sterling is within a few miles of the geographical center of Kansas, and on two main railroad systems—Atchison, Topeka & Santa Fe and Missouri Pacific.

Sterling has a population of 2300. It is pre-eminently a church going town, with Baptist, Congregational, Friends, Methodist, Presbyterian, Reformed Presbyterian and United Presbyterian organizations. The population is of such a class as naturally gravitates towards an educational center. Intelligence, industry, sobriety—summarize the mental and moral thrift of the community.

EQUIPMENT



Grounds and Buildings

The buildings now consist of the Main College Building, the Gymnasium, the Ladies' Dormitory, and the President's Manse.

Main College Building

In addition to class rooms, society halls, president's office, this building contains the chapel with accommodations for about 300 persons.

Gymnasium

This building is equipped for general indoor athletics—basket ball, volley ball, base ball, roller skating, and, in part, for physical training. Last year there was an addition built to the gymnasium that doubles the seating capacity and affords twice the number of dressing rooms and shower baths.

Ladies' Hall

This hall will accomodate twenty-five students. The rooms are large and furnished with two single beds, table, dresser, chairs, rockers, rug and window shades. Students furnish their own bedding, window curtains, and towels. The dining room will accomodate about forty. Each girl furnishes her own napkin and napkin ring.

Campus

The old athletic field known as the McCracken field was situated immediately north of the college. Recently, however, a new field has been plotted, and will be ready for use in the near future.

Art Studio

The Art Studio is on Seventh Street. It is a building devoted solely to art, and is equipped after the fashion of modern studios.



LABORATORIES AND INSTRUMENTS

Biological Laboratory

The Biological Laboratory is well supplied for both preparatory

and advanced work. For work in Botany, Zoology and Physiology, there are good compound microscopes, dissecting microscopes, hand lenses, camera lucida, dissecting tools, hand and sliding microtomes, apparatus for anaesthesia and injection, aquaria, many poisons and other chemicals and reagents.

Two new Leitz microscopes were imported within the past two years.

There is a very complete set of Cambridge type of apparatus for plant Physiology; also of the Harvard type of apparatus for Human Physiology. A good supply of prepared microscopic mounts are on hand to illustrate all branches of the work; also bones and mounted vertebrate skeletons and limbs.

There is in the laboratory a well-kept herbarium containing beautifully prepared and mounted specimens illustrating all the principal groups of plant life.

Chemical Laboratories

The Chemical Laboratories occupy the half of the first floor of the main building. Recently very extensive improvements have been made, which make the Laboratories among the most complete in the state. A very complete and up to date gas system has been installed which furnishes a constant pressure for all purposes. This is operated by electricity and compressed air.

More than forty students may work advantageously at one time. Each desk is equipped with running water, gas and a complete set of apparatus and reagents for doing individual work. In addition there are jets of compressed air for operating the blast lamps, hot funnels, suction filters, steam baths, electric hot plates, analytical balances, etc.

During the past year a mechanical stirrer and a shaking machine have been installed which greatly facilitate the work in Organic Synthesis.

An exceptionally complete reserve stock of Chemical apparatus and reagents, both Organic and Inorganic, are always kept on hand, offering facilities for thorough courses—both qualitative and quantitative, water analysis and organic synthesis. The shortage of Organic Chemicals due to the foreign war which is so seriously hampering many of the Chemical courses in other schools, has not affected the courses in Chemistry, because of the unusually large import order just before the war.

Especially thorough courses in Organic Chemistry and also in Organic research work are offered.

There is also a private laboratory for the more advanced work. The equipment in this room is exceptionally complete.

The recitation room is large and well equipped for class demonstrations and lecture experiments.

Geological Laboratory

The Geological Laboratory contains a very complete collection of rocks and minerals and ample apparatus for courses in Physiography and Geology.

Physical Laboratory

The Physical Laboratory work is carried on in a large well lighted room furnished with good tables. Apparatus and other facilities are at hand for working fifty good representative experiments in preparatory Physics and for a year's work in College Physics.

About one thousand dollars worth of equipment for college Physics was added during the past two years.

The apparatus room contains much additional apparatus and material useful for demonstrations, construction, and repairs.

Museum

The Museum contains a considerable amount of material illustrative of the natural sciences. Specimens of mineral and rocks from many localities are included in the geographical collection; each geologic age being represented. Kansas and Colorado are well represented. All sections of our state furnish specimens of rocks and fossils. Through the gift of Rev. John P. White, of Albia, Iowa, a former missionary to Egypt, the college possesses a very valuable geological collection from Egypt and the Holy-Land. A collection illustrative of Egyptian life is accessible through the kindness of Mr. A. G. Smith.

The past year Mrs. A. B. Ashenhurst contributed a valuable collection of curios gathered from all parts of the world.

Dr. and Mrs. H. T. McLaughlin, recently missionaries to the Sudan, presented to Cooper valuable curios from that field, estimated to be worth from five to six hundred dollars.

The Zoology specimens include collections illustrative of marine invertebrate life, birds' eggs and bird and mammalian life of Kansas.

The flora of Rice County is illustrated by botanical specimens. Mounted specimens from other localities are also in the collection. It is the aim to make the Museum not merely a collection of curiosities, but an important factor in advancing the scientific work of the students.

Library

The Library contains approximately 3,000 volumes, exclusive of government publications, accessible to the students and the general public. A portion of the tuition received is expended each

year for Library improvement and the purchase of books. During the past year, as in preceding years, purchases have been made of books under the departments of instruction as recommended by the heads of these departments. The accessions of the present year, about 230 volumes, have included some of the latest and best material along the various lines of purchase.

Through the kindness of the late Hon. E. H. Madison, while a member of congress from this congressional district, Cooper College has for a number of years been designated as a depository for the publications of the United States Government.

During the past year the library has been open daily except Saturdays, from 8 a. m. to 5 p. m. Faculty and students have free use of the library, and it is also opened freely to the public for consultation. Miss Cora Amos is employed as librarian.

Through the courtesy of publishers and friends or by subscription the library and the reading tables have been supplied with periodicals: Among those received during the past year have been Current Literature, Literary Digest, Atlantic Monthly, World's Work, McClure's, Everybody's, Technical World, Missionary Review of the World, Woman's Home Companion, Etude, United Presbyterian, Christian Instructor (five copies), Presbyterian, Evangelist and Christian Work, Men's Record, Christian Union Herald, Hutchinson News, American Economist, Menace, Advocate of Peace, Our Dumb Animals, Vindicator, Normal Instructor, Prayer and Work for Israel.

High school and college publications have also been placed in the reading room by the editors of the Cooper Courier.



ADMISSION TO COLLEGE



All communications in regard to the admission of students to any department of the college should be addressed to President Campbell, Sterling, Kansas.

Entrance to Freshman Class

Applicants for admission to the freshman class should present a certificate from an accredited high school, signed by the principal or superintendent, certifying the requisite amount of work has been completed.

Schools Accredited

All high schools on the accredited list of the state universities of their respective states will be given the same recognition at Cooper, provided the student proves himself capable to carry the regular college work. Otherwise, so much of the preparatory work shall be required, as the Faculty shall deem necessary to enable the student to carry on his work effectively.

Entrance by Examinations

Students entering from non-accredited schools, or as undergraduates from preparatory schools, may be required to take examinations in any or all subjects for which they ask entrance credit. These examinations (without extra fee) will be held regularly upon registration days. Application made in advance.

Conditional Entrance

Fifteen units are necessary for unconditional admission to the Freshman Class. A temporary deficiency of not more than two units, however, will be permitted. This deficiency must, if at all possible, be made up during the first year in college.

Entrance Unit Defined

In defining preparatory credits, the term "unit" is employed. A unit is the equivalent of one high school study satisfactorily pursued during one school year of at least thirty-six weeks, on the basis of five recitations a week, the course of study for which the student is registered requiring not more than four studies, or twenty recitation periods a week. The length of the recitation

period must be at least forty minutes and the laboratory period twice this length. A unit is the equivalent of two high school semester credits.

Advanced Entrance Credits

College credit will not be given for work done in college subjects in preparatory schools or high schools, except by college examination. Requests for examination for advanced entrance credits should be made in writing to the head of the department concerned. These examinations are held regularly on registration day. A special examination fee of one dollar will be charged for each subject taken. The number of hours credit allowed to be determined by the department.

Subjects for Admission

The total requirement for admission shall be fifteen units, ten and one-half of which shall be chosen from groups I to V, as indicated below. The remaining four and one-half units may be chosen at will from the subjects outlined in the six groups, subject to the maximum limitations stated in connection with each group.

Group I, English

Minimum three units, maximum four units.

Group II, Foreign Language

Minimum three units, maximum six units.

The three units required may be two units of one, and one of another foreign language. Any of the following languages may be chosen: Latin, one to four units; German, one to four units; French, one to four units; Greek, one to four units; Spanish, one to two units.

Group III, History

Minimum one unit, maximum four units.

Ancient History, one unit; Medieval and Modern History, one unit.

English History, one unit; American History, one unit.

Civics, one-half unit; Economics, one or one-half unit.

The order in which the history shall be taught is that outlined in the Manual of the State Board of Education.

Group IV, Mathematics

Minimum two and one-half units, maximum four units.

Elementary Algebra, one and one-half units.

Plane Geometry, one unit.

Solid Geometry, one-half unit.

Advanced Algebra, one-half unit.

Plane Trigonometry, one-half unit.

When the minimum requirement only is presented, it shall be elementary algebra and plane geometry.

Group V, Science

Minimum one unit, maximum four units.

Botany, one unit.

Chemistry, one unit.

General Biology, one unit.

Physics, one unit.

Physiology, one-half or one unit.

Zoology, one unit.

Physiography, one-half or one unit.

Group VI, Miscellaneous

A maximum of two units may be chosen from the subjects not starred. Starred subjects may be offered in addition to the two units.

Agriculture, one or one-half units.

Arithmetic, one-half unit. (If taken after one year of Algebra, not otherwise.)

Bookkeeping, one-half or one unit.

Commercial Geography, one-half unit.

Commercial law, one-half unit.

Domestic Art, one unit.

Domestic Science, one unit. One unit may be offered of domestic art and domestic science combined, as outlined in the Manual of the State Board of Education.

Drawing, one unit.

Forging, one unit.

*Methods and Management, one-half unit.

Music, one unit.

*Psychology, one-half unit.

Stenography, one unit.

Woodworking, one unit.

Advanced Entrance

Students entering Cooper from other colleges and desiring advanced standing, must present a certificate of work done, together with a letter of honorable dismissal. The number of hours credit to be granted is to be determined by the Faculty Committee on Registration and Advanced Credits, which investigates the individual merits of each case.

Students not presenting satisfactory credentials, must pass examinations in the subjects in which they desire credit. Fee of one dollar for each examination.



AMOUNT OF WORK

No student in the college may without official approval and faculty consent enroll for less than 12 or more than 15 hours' work, but all applications for enrollment are subject to approval by Faculty. Fifteen or sixteen hours' work is counted as regular work, from two to three additional hours may be taken on approval of faculty, and the payment of the excess tuition, two dollars per semester, for each additional hour.

Credit in any course may be reduced on account of tardy enrollment.

Serious loss results from tardiness in entrance. Unbroken attendance throughout an entire semester is requisite to the most satisfactory results.



REPRESENTATIVE STUDENTS

No student, who is not carrying in creditable manner, at least 12 hours of strictly College work, or its equivalent, will be permitted to represent the college in any scholastic or athletic contest, with other schools.



CLASS STANDING

The standing of students is determined by totaling the number of hours of work to their credit. For unconditional standing as a Junior one should have 62 hours work completed at the opening of the year. Arrearages in required subjects may necessitate a lower classification than the hours completed would otherwise entitle to.



REQUIREMENTS FOR GRADUATION

Work Required of All Students

All subjects and courses, (see groups, also description of

courses) that are (*) are required of all candidates for degree of A. B. Other required subjects are determined by group chosen.



ORATION AND THESIS

Oration

One oration of finished merit is a requisite for graduation. This oration is a requirement of the Junior year, and full Senior classification is not granted until this requirement is met. It is strongly advised that the student prepare this oration in connection with English Course V, which preparation will entitle him to special training in the delivery of oration, with the teacher of Public Speaking, without extra fee. Public rendition of the oration is required by the Faculty.

Oration or Thesis

Any department may require a graduation thesis of Seniors majoring in that department. Honorary credit, in advance of number of hours required for graduation may be given for this work, at discretion of head of the department concerned. Students graduating without choosing a major may be required to present a second oration.

Amount of Work

To secure the degree of Bachelor of Arts the student must complete 122 hours. Laboratory periods are double the length of recitation periods. A total of not more than eight hours graduation credit toward the degree of A. B. will be granted for work done in music or in elocution in the allied departments. Music credit given only for work in theory. See under "Course of Study."



TEACHERS' CERTIFICATES TO A. B. GRADUATES

In accordance with the laws of the state, (Laws of 1899, chapter 179, section 2) graduates of the A. B. course whose course includes the professional subjects, may receive from the State Board of Education a three years' certificate. This certificate upon the fulfillment of certain conditions, may be exchanged for a life certificate.

Graduation from a four-year course in a normal school college, or university accredited by the State Board of Education will

be accepted as a substitute for examination in the branches specified in Group II (section 3), provided that the applicant furnishes a complete transcript of his college record, with credit in professional branches in education to the amount of eighteen semester hours, including not less than three semester hours each in General Psychology, Educational Psychology or Educational Theory, History of Education and School Administration; and six semester hours additional in professional branches allied to those herein mentioned. Until September 1, 1916, credit for fifteen semester hours in professional branches, with three semester hours in addition to those herein mentioned, will be accepted.



THREE-YEAR CERTIFICATES RENEWABLE FOR THREE-YEAR PERIODS.

A three-year certificate renewable for three-year periods, valid in any elementary school, in junior high schools, and in high schools, offering not more than two-year courses, may be obtained by examination or on credentials showing that the applicant has completed a four-year high school course of study approved by the State Board of Education and a two-year course in an accredited normal school, college, or university.



HOW TO ENROLL

New students presenting themselves for enrollment for the first time should first go to the office of the President where they will receive a matriculation blank. Every space on this blank should be filled out accurately and legibly. The President's "O. K." on this card indicates that he has made the acquaintance of the new student and given any needed counsel or suggestions. The card is then taken to the Enrollment Committee, consisting of the Registrar and his associate.

After consultation a Course Card is filled out with the list of prospective studies. The outlined course must conform to the regulations concerning required subjects.

The Course Card is then presented by the student to each teacher for whose work enrollment is being made and the teacher's approval of the assignment is indicated by his signature.

The student then goes to the Treasurer, by whom the course cards are collected and certified to the Registrar. When properly

signed the course card thus becomes the evidence that the work assigned is approved and that the dues are paid. The Registrar then issues class tickets which are sent to the heads of departments. From these class rolls are made up. The class tickets are retained by the instructor until the end of the course when they are returned to the Registrar with the record of the student's work endorsed thereon. The permanent records and semester reports are compiled from the data upon the class tickets.



GENERAL REQUIREMENTS



Each student on entering the College department decides upon the group he will follow.

Adviser

The professor at the head of the department in which the student chooses his major, will act as his adviser. The student will consult with his adviser, and in planning his work must first arrange for his major subject.

Major Subject

A major subject will consist of 24 hours work in one department.

One or more minor subjects in some other departments may be arranged for, to consist of twelve hours each.

A student may not change his major subject except at the beginning of the school year.

Number of Hours Work

Fifteen hours of class work is considered a semester's work in the College of Liberal Arts, and sixteen the maximum allowed without special permission of faculty and extra tuition. Students are advised to carry but sixteen hours. In exceptional cases students may be permitted to carry additional work upon payment of two dollars per each excess semester hour. Application for excess work must be made at time of registration. Permission to carry excess work must be granted before student may enroll for the work.

No student will be graduated who has not completed one-hundred and twenty-two semester hours, and who has not finished all the work required in some one group.

Examinations

Examinations are held upon the completion of a subject, and regularly at the close of each semester. Other examinations may be held at such times as the professor in charge may determine. Should students desire examination at another time than that of a regular examination, or that appointed by the professor in charge it may be obtained by the consent of the professor in charge and the payment of a fee of one dollar.

Seniors who have no failures or conditions recorded against them for their four years' work, and who are carrying the subjects of the last semester with no subject rating lower than grade II, in daily recitation may be exempt from final examinations. This applies only to candidates for the Bachelor's Degree.

Absences

Students are allowed as many absences during each semester as the class in which they are enrolled entitles them to semester hours credit.

Five tardy marks are reckoned equal to one absence.

Absences immediately preceeding or following any regular vacation or holiday will be counted double.

After two unexcused absences the student shall not be again admitted to the class until he has taken a special examination and paid a fee of one dollar.

Willful absence beyond the allowed number, may subject the student to suspension, and the time lost will count as unexcused absence.

Chapel Attendance

All college and preparatory students, unless excused by vote of the faculty, are required to attend chapel daily. All students are expected to attend public worship in some church on Sabbath.

An absence from chapel, unexcused, will count as one "cut" in each of the classes in which the student recites on the day of the absence.

Withdrawal from Courses

No student will be allowed to withdraw from a class, having once enrolled, without the consent of the head of the department concerned and approval of the Registrar. Withdrawal without this permission will be recorded as a failure.

Reports

Reports are sent to parents or guardians at the close of each semester. The Registrar should be notified in every case where the report fails to come within two weeks after the close of each semester.

Mid-semester reports are also sent out, giving general status of the student's work. Other reports sent when deemed necessary.

Records

A permanent record of all credits obtained by each student is kept by the Registrar. The credits are kept on the basis of a full

semester, no entry being made for less. No credit is recorded except as officially reported by the professor under whom the work is done.

Residence at Ladies' Hall

Young ladies who are absent from their homes will be required to board in the hall unless excused by the authorities of the college. Young lady students will be permitted to board or room only in approved private homes, and those so doing will be subject to substantially the same rules as those boarding in the Ladies' Hall.

Only such regulations are adopted for the Hall as are deemed necessary to surround young ladies with good influences and as pure a moral atmosphere as their parents' homes would afford. A woman of experience will be in charge of the Hall whose Christian sympathy will greatly aid young ladies in meeting the difficulties of college life.

Government

The government of the College is paternal. Good behavior and earnest application to study are considered necessary on the part of all connected with the institution. No published rules are furnished but students are expected to comply with all regulations deemed necessary by the Faculty. The President is the executor of the Faculty to enforce these regulations.



TUITION AND EXPENSES

All fees are payable in advance



FEES FOR COLLEGE AND PREPARATORY DEPARTMENT

Tuition per semester, paying on enrollment day.....	\$26.00
Tuition per term of nine weeks, in advance.....	15.00
Tuition per week for less than a term.....	2.00
Tuition per excess semester hour.....	2.00
Graduating fee—College of Liberal Arts.....	5.00
Graduating fee—School of Expression.....	5.00
Graduating fee—Conservatory of Music.....	4.00
Special examination fee.....	1.00
Chemistry fee per semester.....	5.00
Physics fee per semester.....	2.50
Physical geography fee per semester.....	1.00
Botany and Zoology fee per semester.....	2.50
Physiology fee per semester.....	2.50

No library or athletic fees are charged. Upon the payment of tuition, tickets are issued admitting to library privileges, and to all athletics games for the period covered by tuition.

Deposits

For breakage and waste in Preparatory Science, each subject..	\$2.00
For breakage and waste in College Science, each subject.....	4.00

Deposits must be maintained at the amount named, throughout the year. If damage and breakage is not equal to sums named, the excess will be returned to the student at the end of the year.



SCHOOL OF ART

Two lessons per week, per semester.....	\$17.00
One lesson per week, per semester.....	9.00
Two lessons per week, per term.....	9.00
One lesson per week, per term.....	5.00
Single lesson.....	.60

SCHOOL OF EXPRESSION

Private lessons:—

Two lessons per week, per semester.....	\$25.00
Two lessons per week, per term.....	13.50
One lesson per week, per semester.....	13.50
One lesson per week, per term.....	7.00
Single lesson (discount to regular students).....	1.00
Class lessons per semester.....	4.00
Juvenile lessons per term.....	3.00



SCHOOL OF MUSIC

Piano or Stringed Instruments

Two lessons per week, per semester.....	\$25.00
Two lessons per week, per term.....	13.50
One lesson per week, per semester.....	13.50
One lesson per week, per term.....	7.00
By the lesson (discount to regular students).....	1.00
Orchestra, except for private pupils in stringed instruments....	2.00
Harmony, one semester.....	10.00
Sight reading, one semester.....	10.00
Musical history, one semester.....	6.00
Interpretation	5.00

Voice

Two lessons per week, per semester.....	\$25.00
Two lessons per week, per term.....	13.50
One lesson per week, per semester.....	13.50
One lesson per week, per term.....	7.00
By the lesson (discount to regular students).....	1.00

Tuition Regulations for All Departments

All tuition fees and deposits are due strictly in advance and students will not be enrolled in classes till payment is made.

Only in case of protracted sickness will fees be returned.

The graduating fee will be included in the semester bill and is to be paid at the beginning of second semester of the senior year.

Board

Table board per week.....	\$3.00 to \$4.00
Board and room, two in a room.....	\$3.00 to \$4.00
Self-boarding	\$1.50 to \$2.00

Rooms, unfurnished, per week.....	\$.50 to \$1.00
Rooms, furnished, per week.....	\$1.00 to \$2.00

Young Ladies' Hall

Table board, per week.....	\$3.25
With rebate of 25c per week, if paid monthly in advance.	
Rooms per week, payable monthly in advance.....	.75 to \$1.00

Expenses

Necessary expenses at Cooper are moderate. Personal tastes and standards have much to do determining the total cost of a year's schooling, but the essential items can be estimated with considerable accuracy. In a recent census of non-resident students it was found that the average annual expense has been \$221 for a young man, \$238 for a young woman.

Self-help

Fifty per cent of the young men and twenty-five per cent of the young women are working their way, wholly or in part. A member of the faculty acts as employment agent in securing work for students. Not infrequently he has more demand for labor than he can supply. With Saturday jobs and employment at odd times, together with vacation labor, it is no rare thing for a student to be quite self-sustaining.

Scholarships

Through the generosity of friends of Christian education the following scholarships are available.

1. The Nesbitt Scholarship—To any young man preparing for the ministry.

2. The Sorosis Scholarship—To any young woman deserving of help.

3. Travis Scholarship—To either a young man or a young woman of deserving character.

4. Wilson Scholarship—To either a young man or a young woman preparing for christian work.

5. The McCracken Scholarship—For young people of the Indian and negro races.

6. Mary E. Campbell Scholarship—For any worthy young man or woman, preparing ofr church work.

7. The Hutton Scholarship—Which allows students to borrow without interest sufficient money to pay tuition; the student to give his note for this amount, payable one year after leaving college.

Application for scholarships should be made to the president.

Kansas College Association Scholarship

Provisions:—One scholarship shall be given to each accredited high school within the state. Such scholarship to be given to the student securing the highest grade during the four year course. The work of the Junior and Senior year must have been taken in the high school from which the scholarship is granted. The Freshman and Sophomore years may have been taken in any accredited high school.

These scholarships are non-transferable and shall be given only to the student securing the highest average grade.

The scholarship shall represent tuition. Tuition credit for this scholarship shall be given the first semester of each the Freshman and Sophomore years. It shall not include incidental fees, laboratory fees, or other special fees.

How to Secure Scholarships:—Printed forms shall be sent to each accredited high school by D. L. McEachron, Washburn College, Secretary of the Kansas College Presidents' Association. Replies shall be made to this secretary, signed by the Superintendent of schools and the Secretary of School Board. The Secretary shall then communicate with the college chosen, as indicated on the blanks.



COURSES OF STUDY



Cooper College follows the "Group System," the student is offered a choice among nine groups. These groups include a major of twenty-four hours, and afford sufficient electives to permit a well balanced course.

It will be noted that certain studies are required of all students in each year, regardless of the course pursued. the arrangement of the courses in each group has been made and approved by heads of the departments concerned and is intended to present the most satisfactory and advantageous arrangement for conserving the time and efforts of the student. Electives have been delayed until the Junior and Senior years when a student is in a position to choose them with judgement and in preparation for life's work.

Upon entering the student will choose one of the following groups. It will be seen that the choice for Freshmen lies between a foreign language and chemistry: Those electing the Biology Chemistry, or Mathematic groups must take Chemistry I in Freshman year.

Courses indicated with odd numbers are given in the first semester, those with even numbers in the second semester. Courses with doubt numbers, e. g., I-II, run throughout the entire year, and cannot be dropped after the first stmester without permission. The number of class periods each week is indicated at the right. Any change of major subjects made at any time, except at beginning of school year, may occasion forfeiture of credit in any unfinished course. For explanation of Course and number indicating various subjects, see Description of Course.

SUBJECTS REQUIRED IN ALL GROUPS

Freshmen

First Semester

*English I.....	3
*Mathematics V.....	3
*Bible V.....	2
*Foreign Language.....	4
*Chemistry I or Foreign Language.....	4

Second Semester

*English II.....	2
*Mathematics VI.....	3
History II or Mathematics IV or Bible VI.....	2
*Foreign Language.....	4
*Chemistry II or For- eign Languages.....	4

Sophomore

*English III.....	2
*History III or Economics..	3
Science (see groups).....	4
Two 3-hour subjects indi- cated by groups.....	6

*English IV.....	3
*History IV or VI.....	3
Science (See groups).....	4
Two 3-hour subjects indi- cated by groups.....	6

Junior

*English V.....	2
*Psychology I.....	3
*Bible VII.....	2
*Public Speaking.....	3
Elective	6

*Philosophy II.....	2
Elective	9
Science (see groups).....	4

Senior

Elem. Sociology.....	3
*Philosophy III.....	2
Elective	11

Elective	15
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BIOLOGY GROUP

Freshmen

First Semester		Second Semester	
English I.....	3	English II.....	2
Mathematics V.....	3	Mathematics VI.....	3
Bible V.....	2	History II or	
Chemistry I.....	4	Bible VI or	
Foreign Language.....	4	Mathematics IV.....	2
		Chemistry II.....	4
		Foreign Language.....	4

Sophomore

English III.....	2	English IV.....	3
History III or		History IV or VI.....	3
Economics	3	Foreign Language or	
Foreign Language, or		Mathematics IV.....	3
Chemistry III or V.....	3	Chemistry IV or VI.....	3
Chemistry III.....	3	Biology II.....	4
Biology I.....	4		

Junior

Psychology I.....	3	Philosophy II.....	2
Physics I.....	4	Physics II.....	4
Biology III.....	3	Biology	3
Public Speaking.....	3	Elective	7
Bible VII.....	2		

Senior

Philosophy III.....	2	Bible VIII.....	2
Elem. Sociology.....	3	4 Elective of 3 hours.....	12
3 Elective of 3 hours.....	9		

CHEMISTRY GROUP

Freshmen

First Semester

English I.....	3
Mathematics V.....	3
Bible V.....	2
Chemistry I.....	4
Foreign Language.....	4

Second Semester

English II.....	2
Mathematics VI.....	3
Bible VI or Mathematics IV.....	2
Chemistry II.....	4
Foreign Language.....	4

Sophomore

English III.....	2
History V or Economics.....	3
Foreign Language, or Mathematics VII.....	3
Chemistry III or V.....	3
Biology I or Physics I.....	4

English IV.....	3
History VI.....	3
Foreign Language, or Mathematics VIII.....	3
Chemistry IV or VI.....	3
Biology II, Physics II, or Geology	4

Junior

Psychology	3
Public Speaking.....	3
Biology I, or Physics I.....	4
Chemistry V or III.....	3
English V.....	2

Philosophy II.....	2
Biology II, Physics II or Geology	4
Chemistry VI or IV.....	3
Two Elective.....	6

Senior

Philosophy III.....	2
Elem. Sociology.....	3
Bible VII.....	2
Electives	9

Bible Elective.....	2
Electives	14

MATHEMATICAL GROUP

Freshmen

First Semester

English I.....	3
Mathematics V.....	3
Bible	2
Chemistry I.....	4
Foreign Language.....	4

Second Semester

English II.....	2
Mathematics VI.....	3
History II, Bible VI, Mathematics IV.....	2
Foreign Language.....	4
Chemistry II.....	4

Sophomore

English III.....	2
History III or Economics	3
Mathematics VII.....	3
Foreign Language or Chemistry III or V.....	3
Biology or Physics.....	4

English IV.....	3
History IV or VI.....	3
Mathematics VIII.....	3
Foreign Language or Chemistry IV or VI.....	3
Geology, Biology or Physics	4

Junior

English V.....	2
Psychology	3
Mathematics IX.....	3
Public Speaking.....	3
Biology or Physics.....	4
Bible VII.....	2

Philosophy II.....	2
Mathematics XI.....	3
Geology, Biology or Physics	4
Elective	6

Senior

Philosophy III.....	2
Elem. Sociology.....	3
Three Electives.....	9
Students taking the mathe- matical group are advis- ed to elect Mathematics XII.	

Bible Elective.....	2
Four Electives.....	12
Students taking the mathe- matical group are advis- ed to elect Mathematics XIII.	

ENGLISH GROUP

Freshmen

First Semester

English I.....	3
Mathematics V.....	3
Bible V.....	2
Latin I.....	4
German I or Greek I.....	4

Second Semester

English II.....	2
Mathematics VI.....	3
History IV.....	3
Latin II.....	4
German II or Greek II.....	4

Sophomore

English III.....	2
History V or Economics.....	3
Latin III, German III, or Greek III.....	3
Chemistry I.....	4
English VIII.....	3

English IV.....	3
History VI.....	3
Latin IV, German IV or Greek IV.....	3
Chemistry II or Geology.....	4
English VIII.....	3

Junior

English V.....	2
Psychology	3
Public Speaking.....	3
English IX.....	3
Bible VII.....	2
Elective	3

Philosophy II.....	2
English X.....	3
Elective	8

Senior

Philosophy III.....	2
2 Electives of 3 hours.....	6
Biology I or Physics I.....	4
Elem. Sociology.....	3

4 Electives of 3 hours.....	12
Biology II, Physics II.....	4

HISTORY AND POLITICAL SCIENCE GROUP

Freshmen

First Semester

English I.....	3
Mathematics V.....	3
Bible V.....	2
Foreign Language.....	4
Chemistry I.....	4

Second Semester

English II.....	2
Mathematics VI.....	3
History II.....	2
Foreign Language.....	4
Chemistry II.....	4

Sophomore

English III.....	2
History III.....	3
Foreign Language.....	3
Elective	4
History V.....	3

English IV.....	2
History IV.....	3
Foreign Language.....	3
Elective	4
History VI.....	3

Junior

Economics	3
Physiology	3
Public Speaking.....	3
Bible VII.....	2
English V.....	2
History of Modern Europe	3

Ethics	2
History of Modern Europe	2
Comparative Government...	2
Electives	9

Senior

Logic	2
U. S. History.....	3
Elementary Sociology.....	3
International Law.....	3
Electives	2
History of Philosophy.....	3

U. S. History.....	3
Political History of the United States.....	3
Electives	10

LATIN-GERMAN GROUP

Freshmen

First Semester

English I.....	3
Mathematics V.....	3
Bible V.....	2
Latin I.....	4
German I.....	4

Second Semester

English II.....	2
Mathematics VI.....	3
History II or Bible VI..	3 or 2
Latin II.....	4
German I.....	4

Sophomore

English III.....	2
History III or Economics...	3
Latin III.....	3
German II.....	3
Chemistry I.....	4

English IV.....	3
History IV or VI.....	3
Latin IV.....	3
German III.....	3
Chemistry II or Geology.....	4

Junior

English V.....	2
Psychology	3
Public Speaking.....	3
Latin V, German IV, French I or Greek I.....	3
Biology I or Physics I.....	4
Bible VII.....	2

Philosophy II.....	2
Latin VI, German V, French I or Greek I.....	3
Biology II, Physics II, Chemistry II or Geology	4
Elective	6

Senior

Philosophy III.....	2
History of Philosophy.....	3
2 Electives of 3 hours.....	6
Elem. Sociology.....	3

Bible Elective.....	2
4 Electives of 3 hours.....	12

LATIN-GREEK GROUP

Freshmen

First Semester

English I.....	3
Mathematics V.....	3
Bible I.....	2
Latin I.....	4
Greek I.....	4

Second Semester

English II.....	2
Mathematics VI.....	3
History II or English History.....	2
Latin II.....	4
Greek II.....	4

Sophomore

English III.....	2
History III or Economics.....	3
Latin III.....	3
Greek III.....	3
Chemistry I.....	4

English IV.....	3
History IV or VI.....	3
Latin IV.....	3
Greek IV.....	3
Chemistry II or Geology.....	4

Junior

English V.....	2
Psychology	3
Public Speaking.....	3
Greek V.....	3
Biology I or Physics I.....	4

Philosophy II.....	2
Greek VI.....	3
Biology II, Physics II.....	4
Two Elective.....	6

Senior

Bible VII.....	2
Philosophy III.....	2
History of Philosophy.....	3
2 Electives of 3 hours.....	6
Elem. Sociology.....	3

Bible Elective.....	2
4 Electives of 3 hours.....	12

 MENTAL AND MORAL SCIENCE

Freshmen

First Semester

English I.....	3
Mathematics V.....	3
Bible V.....	2
Foreign Language.....	4
Foreign Language.....	4

Second Semester

English II.....	2
Mathematics VI.....	3
Bible VI or History II or Mathematics IV.....	2
Foreign Language.....	3

Sophomore

English III.....	2
History III or Economics	3
Foreign Language.....	3
Chemistry I.....	4
Psychology I.....	3

English IV.....	3
History (Eng. or West- ern Europe).....	3
Foreign Language.....	3
Chemistry or Geology.....	4
Education	3

Junior

Logic	2
Education	3
Labor Problems.....	3
Elective	3

Ethics	2
Education	3
Elective	11

Senior

History of Philosophy.....	3
American Social Con- ditions	2
Elective	6
Elem. Sociology.....	3

Metaphysics and Epile- mology	3
Evidences	2
Elective	9

SOCIOLOGY-ECONOMICS GROUP

Freshmen

First Semester

English I.....	3
Mathematics V.....	3
Bible V.....	2
Foreign Language.....	4
Chemistry I.....	4

Second Semester

English II.....	2
Mathematics VI.....	3
History II.....	2
Foreign Language.....	4
Chemistry II.....	4

Sophomore

English III.....	2
Principles of Econ- omics	3
Foreign Language.....	3
Industrial History.....	2
History V.....	3
Psychology	3

English IV.....	3
History VI.....	3
Foreign Language.....	3
Economics	3
Elective	3

Junior

English V.....	3
Biology or Physics.....	4
Public Speaking.....	3
Elements of Sociology.....	3
Bible VII.....	2

Ethics	2
Biology, Physics or Geology	4
Sociology	2
Political History.....	2
Elective	5

Senior

Sociology	2
Logic	2
American History.....	3
Electives	8

American History.....	3
Economics	2
Electives	10

MODERN LANGUAGE GROUP

Freshmen

First Semester

English I.....	3
Mathematics V.....	2
Bible I.....	2
German I or German II.....	4
French I.....	4

Second Semester

English II.....	2
Mathematics VI.....	3
History II or Bible VI.....	2
German I or III.....	4
French II.....	4

Sophomore

English III.....	2
History III or Economics	3
German II or IV.....	3
French III.....	3
Chemistry I.....	4

English IV.....	3
History IV or VI.....	3
German III or V.....	3
French IV.....	3
Chemistry II or Geology.....	4

Junior

English V.....	2
Psychology	3
Public Speaking.....	3
German IV.....	3
Biology I or Physics I.....	4
Bible VII.....	2

Philosophy II.....	2
German V.....	3
Biology II, Physics II, Geology or Chemistry....	4
Elective	6

Senior

Philosophy III.....	2
Electives	11
Elem. Sociology.....	3

Electives	15
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DESCRIPTION OF COURSES



BIBLICAL HISTORY AND LITERATURE

President Campbell

The Bible work at Cooper has the standing of a regular department and receives the same recognition as any other department of the Institution. The equipment for work, in these courses outlined, is unusually complete. Through the recent donation of a Relief Map of Palestine, Cooper has every equipment for a thorough and systematic study of the Bible. The College library section, devoted to this department, contains many of the most modern books, giving the most recent discoveries of the present day.

The courses, as outlined, cover the entire field of Bible study, and their value lies in the fact that the student has an opportunity to do some research work. EIGHT hours of Bible are required for graduation. The Courses as outlined are as follows:

1. *Old Testament History and Doctrine.....2 hours

This is the study of the Bible by periods and embraces the entire of the Old Testament. It is calculated to give the student a comprehensive grasp of events in each period and their chronological order. Special emphasis is laid upon JEWISH HISTORY. The text book used is, "Studies in O. T. History," illustrated by Charts. Freshman requirement.....First Semester

2. Book Study in the Old Testament.....2 hours

This course will embrace a study of some of the Minor Prophets such as Joel or Amos, and also one of the Major Prophets. The student will be expected to get a grasp of each book as a WHOLE. Open to Freshman.....Second Semester

3. Mosaic Institutions.....2 hours

An effort will be made, under this course, to give the student a thorough knowledge of the sacrifices and ceremonies under the

O. T. Dispensation. It will embrace a study both of the Jewish Feasts and their sacrificial worship.

Open to Sophomores.....First Semester

4. Study of Bible Lands.....2 hours

By the aid of a Relief Map of Palestine, which has recently come to the college, and by the aid of other maps and photos, the student is able to get a familiar acquaintance with the Bible geography. Special emphasis is laid upon the study the Holy Land. While not a required subject, yet students are urged to avail themselves the opportunity to study this much neglected course.

Open to students of all classes.....Second Semester

5. New Testament History and Doctrine.....2 hours

This is primarily a study of the Life of Christ, but embraces also a study of the Apostolic Age and the Dispensations of the Holy Spirit, together with a study of "The Last Days."

Junior requirement.....First Semester

6. Book Study in the New Testament.....2 hours

This is a companion study in the New Testament, to that of Course No. 2 in the Old Testament. The course rotates between a study of one of the four Gospels; The Acts of the Apostles, Romans, Hebrews, and Revelation.

Open to Juniors.....Second Semester

7. A Study of Comparative Religions.....2 hours

This is a course in preparation for the Course in Evidences which follows the next semester. A comparative study is made of religions both past and present. This course is elective.

Open to Seniors.....First Semester

8. Evidences of Christianity.....2 hours

A special effort is made, in this course, to establish both the genuineness and the authenticity of the Bible; and to show that the religion of the present day is the religion of Christ and his Apostles.

Open to Seniors.....Second Semester

BIOLOGICAL SCIENCES

Professor Horner

***I a. General Biology.....4 hours**

A study of the fundamental facts and principles of biology based upon the interdependence of organisms, their life cycles, mechanism of response, adjustment to environment and the mechanism and results of inheritance. Primarily for students who do not wish to take two courses in Botany and Zoology. Two recitations, with themes and collateral reading and two laboratory periods per week. Abbott's Elementary Principles of General Biology and Needham's General Biology, subject to change.

I. b. Zoology.....4 hours

An elementary course. Laboratory work, themes and collateral reading. Four laboratory periods per week. Colton's Zoology, Descriptive and Practical, subject to change.

I. c. Botany.....4 hours

An elementary course. Recitations, laboratory work and field excursions. Morphology, ecology, histology and genealogic relations will be introduced. Two laboratory periods and two recitations per week. Bergen and Caldwell's Practical Botany and Bergen and Davis' Laboratory and Field Manual of Botany, subject to change.

***II. Human Physiology.....4 hours**

A practical advanced course with emphasis laid upon the laws of hygiene. Three recitation periods and two laboratory periods per week. The student should have some chemistry and Biology Ia. or Ib. Martin's Human Body, Advanced Course, Ninth Edition, and Hyde's Laboratory Course, subject to change.

III. Zoology.....3 hours

Mammalian anatomy and osteology. Methods of injection and preservation. Three laboratory periods per week. Prerequisites, Biology Ia., or Ib. Davidson's Mammalian Anatomy with special references to the Cat, subject to change.

IV. Plant Physiology.....3 hours

A practical course including the principles of agriculture. Two laboratory periods and two recitation periods per week. Prerequisites, Biology Ia., or Ic. Duggar's Plant Physiology and Keeble's Practical Plant Physiology, subject to change.

V. Bacteriology

A general elementary course dealing with morphological and biological characters and general technique. Lectures, recitations and laboratory work. Two, three or four hours. Conditional.

**ECONOMICS AND SOCIOLOGY**

Professor Ross

The following courses are arranged with the end in view to giving the student, first—a thorough knowledge of the principles of both Economics and Sociology; second—to acquaint him with the actual facts concerning the problems and conditions as they exist in the industrial and social world. The Principles of Economics and the Elements of Sociology must be taken before the student is allowed to take any advanced work. Either subject except Industrial History of United States which might be taken at any time.

I. Principles of Economics.....3 hours

A general study of the principles, both psychic and physical, that govern the industrial world. Required for graduation. Text: Fetter's Principles of Economics. First semester in the Sophomore year.

II. Labor Problems.....3 hours

A study of the labor conditions, labor and industrial organizations, labor legislation, and agencies and principles of industrial peace. Open to all who have had Course I. Second semester.

III. Industrial History of the United States.....2 hours

A somewhat detailed study of the economic and industrial development of the United States since the Colonial period. Text: Bogart's Economic History of United States. Open to all students. First semester.

IV. Money and Banking.....2 hours

A financial history of United States with special reference to the money forms, methods of banking and credit financing. Text: White's Money and Banking. Open to all who have had Course I. Second semester.

V. Elements of Sociology.....3 hours

A general introduction to the study of evolution of society and

the forces influencing this evolution. Text: Blackmyr and Gillin's Outlines of Sociology. Required for graduation. First semester.

VI. (a) Criminology.....2 hours

A history of punishment and criminal jurisprudence in several of the countries of Europe, also a study of the co-relation between crime and the forces at work in American society today. Open to all who have had Course V. This course will alternate with Course VI (b). Not given in 1916-1917. Second semester.

(b) Social Amelioration.....2 hours

A detailed study of the frequency, causes, and effects of poverty in United States together with an historic study of Charities. Open to all who have had Course V. This course alternates with Course VI (a). Given in 1916-1917. Second semester.

VII. (a) American Social Conditions.....2 hours

A general survey of the forces at work influencing, and their effect upon American society with a view to creating a sentiment in behalf of higher social ideals. Open to all who have had Course V. This course alternates with Course VII (b). Not given in 1916-1917. First semester.

(b) History of Socialism.....2 hours

Socialism will be studied in the light of history from the standpoint of cause and effect. Special attention will be given to German, French, English and American Socialism. Open to all who have had Course V. This course alternates with Course VII (a). Given in 1916-1917. First semester.



EDUCATION

Alice M. Childs

The work in this department is arranged to comply with the latest rules of the State Board of Education concerning subjects and hours. Twelve hours in Education are required of all candidates for state certificates. All courses in Education are general electives in the Arts Course. Courses are closed to Freshmen and open to Sophomores only by special permission of instructor.

Fifteen hours of Education is required of all candidates for state certificates after Sept. 1, 1916. The courses below are arranged in accordance with the latest requirements of the State Board of Education.

I. Principles of Education.....3 hours

A study of the aim of education, educational values, the content of the curriculum and the problems that attend the administration of it. Some original investigation is required of the class. Text: Rendiger, "Principles of Education." Prerequisite, Psychology and two years of college work. First semester.

II. School Management and Administration.....3 hours

A study and discussion of the problems of class room management, of school supervision, and of the school system. The educational systems of several states are studied and compared. The school law of Kansas is also taken up. No text used. Prerequisite, Psychology and three years of college work. Second semester.

III. History of Education.....3 hours

A brief survey of ancient and medieval education, with a careful study of education in modern times, and a discussion of present-day tendencies. Text: Graves, "Student History of Education." Prerequisite, one year of college work. First semester.

IV. General Method.....3 hours

A study of the fundamental principles of method, based on psychology and child study. Different types of lessons are studied and an example of each is presented by each member of the class. Prerequisite, Psychology and one year of college work. Second semester.

V. High School Problems.....3 hours

A practical discussion and study of the peculiar problems of the high school administration, the curriculum, and the method of teaching. Original investigation and observation are required. Prerequisite, Psychology and nine hours of education. First semester.

VI. Educational Psychology.....3 hours

A careful study of the fundamental parts of psychology and their bearing upon educational problems. Special emphasis is laid upon the measuring of results in education. Prerequisite, psychology. Second semester.



ENGLISH LANGUAGE AND LITERATURE

Miss Althea Montgomery

The department of English includes English Language, Eng-

lish Literature, and Rhetoric. The aim of the department is to give such instruction as will be furnish the elements of a liberal culture; prepare candidates for the teaching of English; and to start those who desire it on the road to graduate study.

***I, *II. Freshman English.....3 hours, 2 hours**

An intense study of English Grammar, followed by constructive and analytical work in composition. Second semester, practical studies in English composition and English interpretation based on current literature.

***III, IV. History of English Literature.....2 hours, 3 hours**

Studies in English Literature from Chaucer to the present time. The work of students, largely reports, and criticisms. Form, as well as content of work, is considered. Sophomores.

***V. Forms of Public Address.....2 hours**

A study of the forms of public address. The English oration is studied as a type of formal speeches. An analytic and systematic study of the oration together with the history of oratory are aims of the course. After the various forms such as the after dinner speech, eulogy or oration have been studied, practice is given in the composition and delivery of each.

VI. English Essay.....2 hours

Origin and history of the essay. Careful study of representative essays. Text, English Essay, Bronson. Open to Sophomores, Juniors and Seniors. Second semester.

VII, VIII. Shakespeare.....3 hours

A study of six plays of Shakespeare, histories, comedies, tragedies—the sonnets. Not open to Freshmen. Both semesters.

IX, X. Tennyson, Browning.....3 hours

Open to Juniors and Seniors. First and second semester.

XI. English Novel.....2 hours

The study of representative novels and novelists, chiefly of the Nineteenth Century, but beginning with the Elizabethan period. Open to Juniors and Seniors. First semester.

XII. Teaching of English.....2 hours

A course designed for those who expect to teach High School

English. Methods for class presentation, survey of classics in college entrance requirements. Practical work. Open to Seniors. Second semester.

XIII, XIV. American Literature.....2 hours

A brief survey of the history of American literature. Some study is made of the chief writers of both prose and poetry, and selections are read from the poets. First semester.

A detailed study of America's greatest prose writers, including essayists, novelists, and short-story writers. Second semester.



FRENCH

Miss Forrey

I, II.....3 hours

The object of the first year's work in French is to give the student a knowledge of the essentials of grammar, fluency in pronunciation and practice in speaking and writing. French is spoken in class as far as practical. Reading of easy stories and plays, conversation, dictation and composition based upon the reading matter. Both semesters.

III, IV.....3 hours

The object of this course is to impart the faculty of reading and to study the masterpieces of classic and modern periods of French literature. Both semesters.



GERMAN LANGUAGE AND LITERATURE

Miss Forrey

The aim of the department in the work of the first year is to give the student a thorough knowledge of the fundamental principles of the German language, to acquire an extended vocabulary and a proper pronunciation, and to get the student interested in the German life, literature and institutions. Emphasis is placed on the spoken word.

During the second year the works of noted authors of the Nineteenth Century and of the classic period are read. Work in composition, oral and written, is continued. An effort is made to gain the greatest possible facility in reading, understanding and the use of German.

The purpose of the advanced courses offered is to give the student a general view of German literature. Selections and extracts from a large number of authors are read in the class-room and several masterpieces are read by each student outside of the class-room.

Courses I, II, III, and IV should be taken during the Freshman and Sophomore years.

I, II. Elementary Course.....4 hours

Essentials of grammar and easy reading. Direct method used.

III, IV. Intermediate Course.....3 hours

Composition and grammar review; Fossler's Practical German Conversation. Reading of more difficult German texts, selected from among the following:—Schiller's "William Tell," Goethe's "Herman and Dorothea," Heyse's "L'Arrabiata," Heyse's "Die Blinden." Special exercises in word order and auxiliary verbs and sight reading. Both semesters.

V. Heine's Poems and Lessing's "Emilia Galotti".....3 hours

Fossler's Practical German Conversation Continued. First semester. Not offered in 1915-1916.

VI. Lessing's "Minna von Barnhelm" and "Nathan der Weise"3 hours

Second semester. Not offered in 1915-16.

VII, VIII.....3 hours

General survey of German literature, based on various German Literatures, with collateral reading. Both semesters.

IX, X. Goethe and Schiller.....3 hours

An intensive study of the lives and works of Goethe and Schiller and their relation to their contemporaries. Lectures, discussions and written reports. Both semesters.



GREEK LANGUAGE AND LITERATURE

Professor S. A. Wilson .

In the study of Greek it is the first purpose to secure a good foundation in the grammatical principles of the language. Afterwards it is the aim to so study the authors read that there shall be

accuracy in the expression of the thought and appreciation of their literary excellence.

I. Elementary Greek and Book I, Xenophon's Anabasis 4 hours

White's First Greek Book and Goodwin's Anabasis, Book I. Careful attention is given to forms and idioms and to the fundamental principles of syntax. Preparatory course but students entering Freshman class without conditions will be given college credit. Both semesters.

II. Xenophon's Anabasis.....3 hours

Books II-IV. The essential points of inflection and syntax reviewed. Freshman or Sophomore year. First semester.

III. Homer's Iliad.....3 hours

Books I-IV. Translation. The Greek Epic. The Homeric Age. Some study of Greek mythology. Freshman or Sophomore year. Second semester.

IV. Memorabilia.....3 hours

Books I-IV. Study of the life and times of Socrates and the principles of his philosophy. Sophomore or Junior year. First semester.

V. Greek Testament.....3 hours

One of the gospels is read and such of the epistles as time permits. Sophomore or Junior year. Second semester.

The following elective courses are also offered.

VI. Demosthenes on the Crown.....3 hours

Greek orations and oratory. The Courts of Law. Thesis. First semester.

VII. Plato's Apology and Crito.....2 hours

Second semester.

VIII. Aeschylus, Prometheus Bound.....2 hours

Study of Greek Dramatic Art. First semester.

IX. Aristophanes, Clouds.....2 hours

Greek comedy. Second semester.

HISTORY

Professor Hamilton

The aim of the department of history is to offer several broad courses giving knowledge of the vital issues, problems, and movements in the growth of the leading nations of the world. The courses are made out with a view of laying stress on the institutional and economic phases of history. The progress of the world is studied in the course on government, also in the course on current history. The past is studied so the present may be understood. It is also desirable that the student should acquire an appreciation of the great characters in history.

II. Greek History.....2 hours

A survey of the development of the Greek people from the Mycenaean Age to the Roman conquest. The vital elements of Greek civilization and the relation of this culture to the modern world are emphasized. Text: Bury's "History of Greece." Second semester. May be elected by Freshmen.

III. Roman History.....3 hours

A survey of the growth of the Roman state from the founding of the city to the beginning of the Middle Ages. Especial attention will be paid to the early Empire and to the development of Roman institutions. Text: Pelham's "Outlines of Roman History." First semester. This course with Course IV may be taken to satisfy the Sophomore requirement in History.

IV. English History.....2 hours

The growth of the nation is traced from the early settlements and conquests. Special attention is given to the Reformation, the conflict between King and Parliament, and the development of the British constitution. Text: Cheyney's History of England. Second semester. This course with Course III may be taken to satisfy the Sophomore requirement in History.

V. & VI. History of Western Europe.....3 hours

The course covers the period from 375 A. D. to 1915. Emphasis is laid upon the civilizing influences during the Great Migrations and the fall of the Roman Empire, the rise of Papacy, feudalism, the crusades, invasions of the Saracens, rise of modern nations, Renaissance and Reformation, religious wars, and the age of Frederick the Great, growth of nationalities. Texts used during 1915-16 are Harding's "Essentials of Medieval History," Hulmes "Renaissance and Reformation," Robinson and Beard's "Develop-

ment of Modern Europe," volume II. Open to Freshmen, Sophomores, Juniors, or Seniors. Both semesters.

VII & VIII. History of Modern Europe.....2 hours

The course covers the period from 1789 to 1915. The history of Modern Europe is studied intensely. The main topics for consideration are "Revolutionary Europe" including the Revolution and the Napoleonic Era and "Europe since 1815." Emphasis is laid on the social, industrial and economic phases of the recent development of the European states. The prime purpose of this course is to furnish a good basis for work in American history. The texts used are Robinson and Beard's Development of Modern Europe," volume I and Hazen's "Europe Since 1815." Open to Sophomores, Juniors and Seniors. Both semester.

IX & X. American History.....3 hours

The course covers the period from 1789 to 1915. A thorough course with emphasis laid on the social, economic and industrial phases and on the development of nationality. Text: Fish "Development of American Nationality." Open to Juniors and Seniors. Both semesters.



GEOLOGY

Professor Miller

I. Physiographic, Structural, Dynamical and Historical Geology.

Four recitations per week. Second semester. Open to all who have had Chemistry I. Text, Dana.



LATIN, LANGUAGE AND LITERATURE

Professor Wilson

The primary aim of the department is to enable the student to acquire the requisite facility for reading the Latin Language with pleasure and profit. It is also hoped that he will obtain a creditable knowledge of Latin literature and of the conditions prevailing in the home and public life of the ancient Romans. In connection with the reading of the various authors, time is given to the illustration of principles of syntax, idioms, sight reading and prose composition.

I-II. Vergil. Books I-VI of the Aeneid.....4 hours

The object of the course is primarily literary, but linguistic matters demand considerable attention especially at the start. Familiarity with the mythological allusions, and a conception of the poet's place in literature are among the aims of Vergilian study here emphasized. Text: Harper & Miller's Aeneid. First and second semesters. Freshman year. Required in English, Latin-German and Latin-Greek groups.

III. Cicero and Terence.....3 hours

The De Senectute of Cicero and the Andria and Phormio of Terence. Cicero's later life and his importance as a moralist and philosopher will be discussed. Elementary study of the Roman drama. First semester. Sophomore year.

IV. Horace.....3 hours

The Odes and Epodes will be studied as a highly developed literary form. Frequent written translation of assigned odes and practice in metrical reading. The life and influence of Horace, the models of his work, and the Augustan age will be studied. Text: Moore's Horace. Second semester. Sophomore year.

V. Plautus.....3 hours

The Captivi and Trinummus of Plautus. The development of Latin comedy, the plots and characters will be considered at length, and ante-classical forms and constructions will receive attention. First semester. Junior year.



MATHEMATICS

Professor Bell

The aim of the mathematical department, is in the first place to offer work of such character as will develop the thought power of the student, teach him to think coherently, and thus better prepare him to solve life's problems, whether they be social, industrial, or professional; in the second place to give the student the necessary mathematical preparation for doing efficient work in any one of the various lines of engineering; and again to present the courses offered in such a way as to fit the student for beginning advanced work in mathematics, should he wish to specialize in the subject.

The number of mathematical volumes in the library is not large, but, for the most part, they are well chosen and afford the student,

who is so inclined, an opportunity of doing a limited amount of work in mathematics of a somewhat more advanced character than that offered in the regular college courses.

Some of the books of an advanced nature in the library are: Chrystal's Algebra, two volumes; Burnside and Panton, Theory of Equations; Dickson, Theory of Equations; Bocher, Higher Algebra; Russell, A Treatise on Pure Geometry; Salmon, Analytic Geometry of Three Dimensions; Veblen and Young, Projective Geometry; Veblen and Lennes, Infinitesimal Analysis; Goursat-Hedrick, Mathematical Analysis; Wilson, Advanced Calculus; Durge, Elements of the Theory of Functions; Burkhardt, Theory of Functions of a Complex Variable; Mach, Science of Mechanics; Moulton, Celestial Mechanics; most of the volumes of the Mathematical Monograph Series, published by John Wiley and Sons.

The courses offered are as follows:

IV. Solid Geometry.....2 hours

This is an elementary course intended for those who do not offer solid geometry for entrance. Open to Freshmen. Second semester.

V. College Algebra.....3 hours

Rapid review of factoring, radical expressions, arithmetical and geometrical progressions, and linear equations. Study of quadratic equations, inequalities, complex numbers, elementary theory of equations, permutations and combinations, determinants, and logarithms. Required of Freshmen. First semester.

VI. Plane Trigonometry.....3 hours

The course includes trigonometric functions of acute angles, solution of right triangles, trigonometric functions of any angle, relations between the trigonometric functions, trigonometric analysis, general values of angles, inverse trigonometric functions, trigonometric equations, graphical representation of trigonometric functions, solution of oblique triangles. Required of Freshmen. Second semester.

VII. Plane Analytic Geometry.....3 hours

It is the aim in this course to offer enough of the subject to prepare the student, otherwise qualified, for beginning the Calculus. The work includes a study of the straight line, circle, parabola, ellipse and hyperbola with a brief study of transformation of coordinates and the general equation of the second degree. Open to Sophomores. First semester.

VIII. Calculus I.....3 hours

Differential Calculus. The course begins with a brief introductory study of variables and functions, and the theory of limits. A study of differentiation and the derivation of rules for differentiating the standard elementary forms. Simple applications of the derivative. Successive differentiation. Maxima and minima. Points of inflection and curve tracing. A brief study of differentials. Open to Sophomores. Second semester.

IX. Calculus II.....3 hours

Integral Calculus, (Prerequisite, Course VIII): The work includes rules for integrating standard elementary forms, constant of integration, the definite integral, integration of rational fractions, integration by substitution of a new variable, integration by parts and reduction formulas. Open to Juniors and Seniors. First semester.

X. Solid Analytic Geometry.....2 hours

Prerequisite, Course VII and preferably Course VIII. The topics treated of are the following: Coordinates and direction cosines, planes, straight lines, the conicoids, polar coordinates, transformation of coordinates, and the general equation of the second degree. First semester.

XI. Calculus III.....3 hours

This is a continuation of the work of Courses VIII-IX. The differential calculus of this course includes the theorem of mean value, indeterminate forms, circle of curvature, center of curvature, partial differentiation, envelopes, series, expansion of functions, asymptotes, singular points. The integral calculus includes integration as a process of summation, and successive and partial integration. Open to Juniors and Seniors. Second semester.

XII. Differential Equations.....3 hours

The course includes equations of the first order and first degree, equations of the first order and higher degree than the first, singular solutions, linear equations with constant co-efficients, linear equations of the second order, miscellaneous methods for solving equations of higher order than the first, some applications of differential equations to problems in physics and mechanics. Prerequisite, Course IX. Open to Seniors. First semester.

XIII. Advanced Algebra.....3 hours

The following topics are studied in this work. The graph of an

equation, complex numbers, algebraic and trigonometric solution of cubic equations, algebraic solution of quartic equations, elementary theorems on the roots of an equation, symmetric functions, reciprocal equations, isolation of the real roots of an equation with real co-efficients, solution of numerical equations, determinants, systems of linear equations. College Algebra and trigonometry are necessary prerequisites and for best results the student should have had some work in plain analytic geometry and differential calculus. Open to Juniors and Seniors. Second semester.

XIV. The Mathematical Theory of Investment.....2 hours

This course is offered for the benefit of those students who are preparing themselves for commercial careers and for the public service.

The work is based on the text recently prepared by Ernest B. Skinner and published by Ginn Co. The course begins with a brief review of progressions, limits and series, and logarithms. The principal topics treated of are, interest, annuities, the extinction of interest-bearing debts by periodical payments, the valuation of bonds, sinking funds and depreciation, and building and loan associations. Prerequisite, a good knowledge of College Algebra. Both semesters. Four hours credit.



MECHANICAL DRAWING

Miss Brown

Lettering in pencil and in ink. Free hand sketches of simple machine parts.

Revolution of Geometrical solids.

Principles of projection.

Sketching of machine parts.

Tracing and blue printing. Three two hour periods. First semester. Three hours credit.

No extra tuition is charged for Mechanical Drawing or Drawing in Normal Courses.



PHILOSOPHY AND PSYCHOLOGY

Professor Ross

The object of this department is to give the student a knowledge of the content of the thought of the Ancient, Medieval and

Modern thinkers, concerning mind, body, being, reality, self, God, thought, morality, conduct, etc., and to reduce it to practical terms even to the point of subjecting both human and animal mind to laboratory experimentation.

***I. General Psychology.....3 hours**

Both analytic and synthetic methods are used. The course presents in outline a broad survey of the field of General Psychology. Note book syllabi are prepared into which is wrought the matter secured through assigned readings. The authorities thus used are standard works as those of Angell, Baldwin, Calkins, James, Stout, Titchener, and others. Much experimental work is done using Seashore's Manual. Three recitations and one period for experimentation per week. Required of Juniors. First semester. This or an equivalent course must precede course in Theory of Education, or Methodology. Open to Sophomores who plan to get a certificate at end of two years.

II. Ethics.....2 hours

A study of the nature of obligation in its philosophical and psychological basis, developing the moral intuition into a comprehensive system of practical Ethics. Theories of historical importance will be briefly considered. The various moral standards will be weighed. Required of all candidates for degree. Second semester.

III. Logic.....2 hours

The more common forms of reasoning are studied in detail. Without neglecting the technique of the subject, it is purposed to make the course as practical as possible. Required of Juniors. First semester.

V. History of Philosophy.....3 hours

A general survey of the field from the Greek thinkers to modern times. The general outline will be enlarged by informal lectures, and references to the sources. Class reports. Prerequisites, Psychology and Logic. First semester.

VI. a. Epistemology.....3 hours

The Theory of Thought and Knowledge will be studied from text and by lecture. Written reports and dictation note books required. Text: Bowne. First half, second semester. Senior elective.

VI. a. Epistemology 3 hours

Method same as for Course V. Second half, second semester. Can only be taken following VI a.

VIII. Abnormal Psychology.....2 hours

A presentation of the literature and problems connected with a study of the Psychopathic, Retarded and Mentally Deficient. The course is particularly designed for those wishing to enter the teaching profession. Some time will be given to laboratory work and to the study of special cases as occasions present themselves. Such authorities as Holmes, Tredgold, Toldat, Goddard, Town, Binet and Sylvester will be consulted as references. The basis of experimentation will be the Binet Tests. Second semester. Prerequisites, General Psychology.



CHEMISTRY

Professor Miller

***I. General Elementary Chemistry.....4 hours**

Lectures, recitations and laboratory work. A study of the fundamental laws of Chemistry with many problems based on the text. Also a study of elements and their compounds, based on the Periodic Classification. Three recitation hours and four laboratory hours per week. First semester. Required for graduation and required in the Freshman year for those majoring in Chemistry, Mathematics or Biology. Text: McPherson & Henderson's Elementary Chemistry; McPherson & Henderson's Laboratory Exercises.

***II. Advanced Inorganic Chemistry.....4 hours**

A more extended study of Inorganic Chemistry, including Chemical Philosophy and a study of elements and their compounds. In the laboratory some thirty-five or forty inorganic compounds are synthesized. Three recitation hours and four hours in the laboratory per week. Second semester. Required of Freshmen who are majoring in Chemistry, Biology or Mathematics. Open to all who have had Course I or equivalent. Especially recommended to those who plan to teach Chemistry. Text: Newth's Advanced Inorganic Chemistry (subject to change) and Blanchard's Synthetic Inorganic Chemistry.

III. Qualitative Analysis.....3 hours

A study of the separation and detection of the inorganic bases,

or metals, with a thorough drill in reactions pertaining to basic analysis. Thirty "unknowns" are required to be analyzed. Required of those majoring in Chemistry and open to all who have had a year of Inorganic Chemistry. Two recitation hours and four hours in the laboratory. First semester. Text: Outline for Qualitative Analysis, as prepared by the instructor.

IV. Qualitative Analysis.....3 hours

A continuation of Course III. The detection of acid radicals is studied, together with a thorough drill in acid reactions. The complete analysis of 24 unknowns is required. Required of those majoring in Chemistry, and open to all who have had Course III. One recitation hour, and five laboratory hours. Second semester. Text: same as Course III.

V. Organic Chemistry.....3 hours

A study of the aliphatic compounds with a thorough drill in organic reactions. It is studied as a system rather than a series of isolated and independent parts. In the laboratory many organic preparations are made and preserved. Three recitation hours and about five hours in the laboratory per week. First semester. Required of all who major in Chemistry, and open to all who have had Courses I and II, or equivalent. This course may precede Courses III and IV. Text: Cohen's Theoretical Organic Chemistry. Laboratory Manual, Gatterman's Practical Organic Chemistry.

VI. Organic Chemistry.....3 hours

The Aromatic compounds are studied, together with a thorough drill in reaction writing. The course includes a study of the principal coal tar derivatives, and closes with a comprehensive study of the dyestuffs, their constitution, preparation, and action on the fiber. Three hours recitation and about five hours in the laboratory per week. Required of those majoring in Chemistry, and open to those who have had Course V. Text: same as above.

VII. Quantitative Analysis.....3 hours

Volumetric Analysis. A study of the theory of volumetric analysis, and the analysis of many "samples" in the laboratory. Two hours recitation and four in the laboratory per week. First semester. Open to all who have had Courses III and IV. Text: Foulk's Notes on Quantitative Analysis.

VIII. Quantitative Analysis.....3 hours

Continuation of Volumetric methods and a study of Gravi-

metric methods. One recitation hour and five hours in the laboratory per week. Second semester. Open to all who have had Course VII. Text same as above.

IX. Water Analysis.....3 hours

The complete analysis of water, both chemical and bacteriological. One hour recitation and four hours in the laboratory. One semester. Open to those who have taken Course III. Text: Mason's Examination of Water.



PHYSICS

Professor Horner

I. General Physics.....3 hours

A college course in Mechanics Heat and Sound. No mathematics higher than trigonometry. Two recitations and two laboratory periods per week. First semester. Reed and Guthe's College Physics, subject to change.

II. General Physics.....4 hours

Magnetism, Electricity and Light. Two recitations and two laboratory periods per week. Second semester.

Additional, Burns' Alternating Currents Simplified and Burns' Experimental Course in Alternating Currents, subject to change.

IV. The foundations of Alternating Current Theory. Lectures, Recitations and Demonstrations. Two, three or four hours. Conditional.



POLITICAL SCIENCE

Professor Hamilton

I & II. American Government.....2 hours

The first semester's work is a study of the constitution, including such topics as, The President, The National Legislature, National Judiciary, etc. The second semester is a study of the machinery of the parties including such topics as, The Rise of the Convention System, Free Soil Party, Ethics in Politics, etc. Texts: Woodburns "American Republic," and "Political Parties and Party Machinery." Open to all. Not given in 1916-17.

III & IV. Current History.....2 hours

A study of current history of interest. "Causes of the Great European War", "Latin America," are representative topics. Lectures, text, and reports in class. Prerequisite History of Western Europe. Both semesters. Not offered in 1916-1917.

V. International Law.....3 hours

Supplementary study of the phases of contemporaneous history from the standpoint of international law. For Sophomores or Juniors. Text: Hershey's "Essentials of International Public Law." First semester.

VI. Political History of the United States.....3 hours

A thorough study of the origin, growth, and in cases where it happened, the decay of the political factions and parties in the United States. Text: Stanwood's "A History of the Presidency," subject to change. Open to Sophomores, Juniors and Seniors. Second semester.

VII. Comparative Governments.....2 hours

A general study of the governments of the world with special reference to such as are closely related to that of the United States in form. Text: Ogg's "The Governments of Europe." Lectures and reports. First semester. Open to Juniors and Seniors.



PREPARATORY DEPARTMENT



GENERAL STATEMENT

Owing to very small enrollment of the last few years, no definite course is outlined. However, work will be offered to those desiring it, in the upper class work of the preparatory school. So far as practicable the following course will be followed:



PREPARATORY COURSE

Third Year

English 1c and 2c.....(4)	Latin 3, (Cicero).....(4)
Latin 3, (Cicero).....(4)	History 1.....(4)
Math. 3, (Algebra).....(4)	Math. 4 (Solid Goemetry)(4)
Science(4)	Science(4)
Bible 3.....(1)	Bible 3.....(1)

Fourth Year

Latin 4, (Virgil).....(4)	Latin 4, (Virgil).....(4)
German 1, or.....(4)	German 1, or.....(4)
Greek 1.....(4)	Greek 1.....(4)
Physics 1.....(4)	Physics 1.....(4)
History 2, (Ancient).....(4)	English 1c and 2c.....(4)
Bible 4.....(1)	Bible 4.....(1)

Numbers following subjects indicate courses, those in brackets the recitation periods per week.

Conservatory of Music



FACULTY

R. T. CAMPBELL, D. D.,
President.

R. W. SOULE,
Voice, Glee Clubs, Sight Singing,
History and Appreciation of Music.

EDNA M. RAIT
Piano, Harmony and Theory.

J. H. HINSHAW,
Stringed Instruments, Orchestra.

EDNA L. FORREY,
German, French.

Music study is many sided. To make it truly educative it may be pursued from both theoretical and practical standpoints. Its study includes not only technical training but intellectual and emotional development as well.

The present age demands of a musician that he be broad minded, intelligent and artistic. The serious study of the art has taken an honored place in the curriculum of every school, academy and college. Recognizing this, our Conservatory of Music is organized with the view of giving each student thorough knowledge of music and surrounding him with the refined and ennobling influence that flows from such a center.

It is the intention of the management to graduate from this school artistic performers and competent teachers.

Courses

The work of the Conservatory is divided into departments, graduation from any one of which requires in addition to its own completion certain specified work in Harmony, Counterpoint, Theory and History and the giving of a recital, except in the

teacher's course, in which the pupil must do special work in the preparation for teaching.

The instructors bring to the work thorough education, successful experience as teachers and an enthusiasm that should find response in the heart of every student and friend of Cooper College.

Voice

True cultivation of the voice consists in the development of pure tone and its easy, natural use and control in singing. Correct use of the breath, intonation, attack, phrasing, legato and enunciation are the leading features of technical drill.

By the adoption of what are believed to be the best features of all methods, as well as by the use of a discriminating judgment as to the needs of the voice under treatment, we endeavor to carry forward the formation and development of the singing voice.

At the same time a higher ideal than the perfection of mere mechanical skill is aimed at, viz: a musicianly style of singing and all that is implied in the broad term interpretation, together with a thorough appreciation of the best works of the masters, both new and old.

A thorough knowledge of the principles of breathing and breath control is imparted; exercise in breathing and in agility and relaxation of the muscles, (pure tone cannot be produced with rigid muscles;) simple songs carefully selected to assist the pupil in conquering his difficulties, will be used.

Exercises in agility, uniting of the tones, the swell, mezzo voice, embellishments, trills, etc., covering all forms of scales and chords both major and minor.

Throughout the entire course a careful selection of songs from the best American, English, German, French and Italian writers, will be used, also arias from the operas and standard orations. While songs in the foreign tongues will be taught in the vernacular, the greatest pains will be taken to give the pupil a clear and intelligent enunciation of the English language.

Thus we hope to prepare our pupils for teachers, for positions in church choirs, and through them to advance the cause of artistic singing.

The definite length of this course must largely be determined by the readiness of the individual voice to respond to training.

The following outline pursuing a course which leads to graduation, requires three years.



PREPARATORY

Two lessons per week, including the first twenty-five exer-

cises in Concone for the medium part of the voice. Both semesters.

One lesson per week in a secondary subject, piano, violin or organ. Both semesters.



INTERMEDIATE

Two lessons per week, including the second twenty-five exercises in Concone. Both semesters.

Two lessons per week both in Harmony and History and Appreciation.



SENIOR OR ADVANCED

Two lesson per week, in major subject. Both semesters.

Two lessons per week in Sight-singing and Ear-training. One semester.

One lesson per week in Interpretation. One semester.



PIANO

The piano course consists of a preparatory course, and a collegiate course, requiring four years for the average student.

Appended is a specimen course founded in the Etude system together with which will be taught concert and salon pieces and works of the masters throughout the entire course.

Preparatory

Technical exercises at piano for hand position and wrist development. Special attention to variety of touch, major and minor chords and arpeggios. Studies from the classical and modern writers are used. Pieces are selected with the view of creating a taste for good style and drawing out the student's power of interpretation.

Collegiate

Technical work by Joseffy and Taussig. Major and minor scales, dominant and diminished 7th, all forms of arpeggios and movements embodying all kinds of touches. Studies and etudes selected from the masters and modern writers according to the ability of the pupil. Bach, two and three part Inventions and

English Suites; Cramer, Clementi, (Gradus and Parnassum,) Chopin (Etudes.) Selections from the best modern writers and the classics are used throughout the entire course.

Pupils must have studied and be able to render in a creditable manner, the following compositions before entering the graduating year: One Haydn Sonata, one Mozart Sonata, two Beethoven Sonatas, two waltzes, one nocturne, one Polonaise, one Etude from Chopin, two compositions by Schubert, two by Schumann.

Requirements for Graduation

The completion of Heacox and Lehmann's Harmony, Lehmann's Counterpoint Interpretation of Music, Fillmore's History of Music, attendance upon all the students recitals, and the giving of a public recital are required for graduation.

Candidates for graduation are required to take three lessons per week during the second term of the second semester of the senior year.

Sight Singing and Ear Training

There is being offered a course in sight-singing and ear training which should prove of great benefit to all persons interested in music. In this class the pupil is taught to recognize by ear as well as sight, syllable reading as well as different rhythms, melodies, chord progressions and modulations. The pupil is not only taught the elements of harmony but also to recognize the different chord progressions at all times and places.

Theory

A thorough knowledge of keys, scales, signatures, intervals, triads, chord connection, chords of all kinds, including altered and augmented, suspension, passing chords, melodic changes and organ points will be required. The harmonizing of melodies and chorals. The playing of modulations of many kinds through all keys. Text: Heacox and Lehmann's. Piano students are required to study one semester of Lehmann's Counterpoint.

History and Criticism of Music

Cooper College realizing the importance of the History of Music in the collegiate department, is placing it on its curriculum as an elective and as a requirement for those graduating from the Conservatory of Music.

This course includes three lectures each week throughout the year. Abundant illustrations are given of every school and phase of musical development, both by performance in the class-room and

also by adapting lectures to the concerts given by the faculty of the Conservatory throughout the year. While the course covers the whole period of musical history down to the present, much the larger share of time and emphasis is given to the composers and the periods that affect the musical life of the present day. The course might more properly be described as one on musical appreciation with a historic basis, for the whole aim is to enable the students to understand and enjoy the works of all periods and styles through a knowledge of the aesthetic and psychological principles involved in their development.

Although the instruction is principally by lectures and musical illustrations, students are constantly guided in their outside study.

Written tests are given from time to time and examinations at the end of each term.

Three hours. Both semesters.

Normal Music

This course presupposes no previous knowledge of music. It will include vocal sight reading, some voice culture, the proper care of the child's voice, elements of music, and supplementary music for the grades and high schools. Two hours. One semester.

Recitals

The education that is derived from hearing good music well performed is one of the greatest factors in the study of Music. We have public recitals bi-monthly, and it is the intention of the department to give the student as many opportunities to hear good music as possible.

Class recitals at which only students may be present are held by the teachers each week. In addition there are recitals by the members of the Faculty as well as the concerts by two College Glee Clubs and the graduating recitals for the year.

Glee Clubs

There are two glee clubs, one for the young women within an enrollment of eighteen and the other an organization of young men. The clubs sing the highest type of choral music, each organization giving a concert during the college year. The men's glee club is limited to a membership of twenty, thereby making competition exceedingly keen. Examinations to the club consist of vocal exercises in order to determine the range and timbre of the voice, together with a simple selection for sight reading.

The ladies' club or Treble Clef Club, as it is known, has appeared most successfully at many of the social events of the year besides sharing half honors with the glee club in the annual home concert, which proved decidedly popular.

GENERAL INFORMATION

Lessons

Classes in Theory and Musical History are one hour in length. Private lessons are of thirty minutes' duration. No teacher is allowed to give any lessons until the pupil first presents his class ticket to the teacher in charge.

Lessons Missed

No reductions will be made for lessons missed during the semester. In case of sickness only and then only when notification has been given the teacher at least two hours beforehand of the necessity of absence, will an opportunity be given to make up such lessons. No tuition will be refunded except in case of protracted illness, in which case the Conservatory will share the loss equally with the student.

Students may enter at any time, but are not enrolled for less than the term in which they enter.

In order to secure a diploma the student must have finished the prescribed work, and must have spent at least one year in this institution.

The privileges of the Musical Department are not extended on the same grounds to holders of scholarships as are the privileges of the other departments of the College.

Students attending College and desiring to take musical instruction, are expected to take lessons in this department. No credits will be given for lessons taken elsewhere.

Pupils should report to the President and make their arrangements for entrance with him. No lessons will be given until the student has been properly enrolled.



STRINGED INSTRUMENTS

Violin

Elementary Work—Exercises, scales, etc., selected at the discretion of the teacher from the list of methods following: Kelley's "First Lessons on the Violin," Lindberg's "Modern School," Henning's Method, part one, David's School, part one, Dancla's Method, part one, Wichtl's "Young Violinist," Wolfahrt, Schradieck, Hohmann, Hermann, Papini, Hersey. In connection with this technical work sufficient number of easy solos to create live interest are given and pupils are taught to play with the accompani-

ment from the very start. Pleyel-Violin Duets, Op. 8 and Op. 9 violin quartettes, small violin concertos.

More Advanced Work. Position studies. Ed. Schroeder, Op. 9. David's School, part two. Mazas, Op. 36. Kayser Etudes, Op. 20. Sevcik's School of Violin Technics, Op. 1, Op. 8, Op. 9. Kreuzer's Celebrated Studies. Fiorillo, 36 Etudes. Solos, duos, trios, and quartettes from the best writers. Viotti, Celebrated Duets. Rode, 24 Caprices. Gavinies, 24 Etudes. Campagnoli, Op. 18. Trios with Cello and piano from Haydn, Mozart, and Beethoven. String Quartettes by Hadyn and Mozart. Schubert, Mozart, Handel, Mendelssohn and Beethoven Sonatas for violin and piano. Concertos by the master writers for the violin. Whenever the student shows sufficient ability and advancement there is ample opportunity for public performance before the student body as soloist and for work in the college orchestra, in trio with cello and piano, and in string quartette.

Viola

Elementary Work. Hans Sitt and Otto Langy Instructors. Ensemble playing in orchestra, trios, piano quartettes and string quartette. Duets with violin, Pleyel Op. 69, Kalliwoda, Nocturnes with piano, Op. 186. Schumann, Op. 113, (Machenbilder.)

Violencello

This is the most valuable orchestra and solo instrument of the strings, with the exception of the violin. Beginners start with Kummer's, Langey's, White's and some other easy method according to the judgment of the teacher and the player's musical ability. Easy pieces by Schlemueller, Schmidt, Popper, Wm. Aletter, Franz Strigl, J. Weiss, R. Friml, Hans, Kronold, Fitzhagen, Alvin Buechner, and Thome, played with accompaniment. Technical studies of Julius Klengel and Dotzauer-Klingenberg. The Haydn, Mozart, and Beethoven trios and more difficult solos by the best writers and arrangements for the cello. Orchestra playing and work in string quartettes.

Orchestra

The organization has furnished music for various entertainments, and occasionally at the chapel exercises and during commencement week. The instrumentation for the past year has been eight violins, one viola, one cello, bass vial, flute, two clarinets, two cornets and piano.

Movements from Haydn's "London," and "Military" symphonies, "Lift Up Your Heads" from Handel's "Messiah," Men-

delssohn's "War March of the Priests," and his "Roman Carnival March," Keler Bela's "Lust Spiel Overture," "The Soldier's Chorous" from Gounod's "Faust," "Triumphal March" from Verdi's "Aida," the overture from Offenbach's "Orphaeus," and his "Barcarolle" from the "Tales of Hoffman," as well as several other overtures and smaller numbers of worth, have been learned and creditibly performed by the orchestra.



SCHOOL OF ART



Alice M. Brown, Director

It is a recognized fact that the accurate development of the eye and hand is a necessary part of a thorough education. A knowledge of the underlying principles of drawing trains to habits of correct seeing. It cultivates accuracy. It makes it possible the more clearly to express and impress thought.

The purpose of this department is to guide in the principles of form and color; to train the eye to see and better appreciate the beauties of the world around; and to give to the hand a power which may be used in all other studies. The following courses are offered:

1. Normal.
2. Mechanical Drawing.
3. Special.

Normal Course

Study of the principles of representation, construction and decoration.

Study the relative values of line, form, light and shade.

Application of the work done to public school drawing. A certificate is granted upon completion of the course.

Mechanical Drawing

Free hand drawing.

Lettering in pencil and in ink.

Sketching of machine parts.

Tracing and blue printing.

Special

Individual instruction given to students who wish to take any special line of art work.

An opportunity is given to copy good studies, to those wishing to learn to use oil, water colors and pastel.

Artistic china decoration either of the conventional or naturalistic.

Special attention given to Ceramics.

For rate of tuition see Expenses.

SCHOOL OF EXPRESSION



The aim of the Public Speaking Department is to train the student to think vitally on his feet, to acquire a vocal vocabulary and to develop his instruments of expression, mind and body.

Course I. Evolution of Expression.....3 hours

Volume I is used as a basis of work. It is the object of this course to foster in the student a keener and deeper appreciation of the truth and beauty of great prose and verse and at the same time to enrich his own and other lives by cultivating the power of expression the glories which are opened to his vision. First semester. Juniors.

Course II. Evolution of Expression.....3 hours

Volume II is used to develop greater freedom of body and voice. Play writing and dramatising of novels are studied for developing dramatic expression with accompanying emotions. Second semester. Tuition course.

Course III. Argument and Debate.....3 hours

Argument and Debate by William Trufant Foster, is used as a basis for the work whose purpose is to produce sound thinkers, and to train them in the clear, correct, straightforward, and effective oral expression of their own thoughts. First semester.

Course IV. Private Instruction.....

Two private lessons per week are required for a diploma. This private work continues the two years.

English Requirements

For graduation in the department of Public Speaking a minimum requirement of two years College English is made. Six hours of this shall be Freshman required English.

RECITALS

All students are required to appear in public recitals at least once each semester. Private students' recitals every two weeks.



RULES AND REGULATIONS

Students are subject to college rules. Lessons lost by fault of student will not be made up without extra payment.

Lessons excused one day previous will be made up.

Lessons lost by fault of teacher will be made up.



TUITION

For rates of tuition see under Expenses.



REGISTER OF STUDENTS COLLEGE

GRADUATE STUDENTS

Adams, J. R.....	Sterling, Kansas
Olmstead, Earl.....	Sterling, Kansas

SENIORS

Black, William Cooper.....	Stafford, Kansas
Campbell, Ross, Jr.....	Sterling, Kansas
Henry, Ethel Aletha.....	Sterling, Kansas
Henry, William Jay.....	Sterling, Kansas
Knox, James Earle.....	Sterling, Kansas
McClure, Ray.....	Sterling, Kansas
McCrary, Jeannette Lois.....	Sterling, Kansas
Mustard, John Henry.....	Sterling, Kansas
Reid, Robert A.....	Holton, Kansas
Ritchie, Eleanor Gretta.....	Sterling, Kansas
Russell, Ruth.....	Duquoin, Kansas
Stavely, Frederick W.....	Lyndon, Kansas
Stewart, Paul.....	Sterling, Kansas
Strain, Helen.....	Jamestown, Kansas
Straney, Milo David.....	Sterling, Kansas
Waddell, May Elizabeth.....	Olathe, Kansas
Wilson, George Earl.....	Sterling, Kansas
Work, Elsie Jane.....	Loveland, Colorado
Wright, Frank H.....	Hillsboro, Iowa
Williams, Ira.....	Wilson, Kansas

JUNIORS

Adair, Anna Ruth.....	Bristol, Colorado
Adair, Sara Margearet.....	Bristol, Colorado
Adams, Clara Viola.....	Sterling, Kansas
Adams, Ella Rachel.....	Sterling, Kansas

Gault, Rosalie McMillan.....	Sterling, Kansas
Gilchrist, William Bryson.....	Newton, Kansas
Gish, Virginia.....	Sterling, Kansas
Honeyman, Hazel Margaret.....	Colorado Springs, Colorado
Lewis, May.....	Geneseo, Kansas
Lewis, Kate W.....	Geneseo, Kansas
McKnight, Mary Edith.....	Chetopa, Kansas
Pinkerton, Roger E.....	Pawnee City, Nebraska
Preston, Gladys.....	Morning Sun, Iowa
Scott, Howard E.....	Sterling, Kansas
Stormont, Eunice J.....	Sterling, Kansas
Thornburg, William Lewis.....	Winchester, Kansas
Turner, William Bruce.....	Arkansas City, Kansas
Warnock, Katherine M.....	Ft. Morgan, Colorado
Warnock, Harold Temple.....	Sterling, Kansas
Wherry, Neal M.....	Sterling, Kansas



SOPHOMORES

Altland, Lee.....	Sterling, Kansas
Andrews, Luella Marie.....	La Crosse, Kansas
Brush, Donald Henry.....	Newton, Kansas
Cabeen, Mary Agnes.....	Blanchard, Iowa
Davidson, Winifred Esther.....	Plevna, Kansas
Dill, Elmer R.....	Sterling, Kansas
Farris, Edith Blanche.....	Southwick, Idaho
Farris, Hervey S.....	Southwick, Idaho
Fleeson, Howard Tebbe.....	Sterling, Kansas
Fullerton, Bryant.....	Sterling, Kansas
Fullerton, Richard Wyatt.....	Sterling, Kansas
Garberson, Bess.....	Storm Lake, Iowa
Gish, Lydia Frances.....	Sterling, Kansas
Henery, Anna J.....	Bostwick, Nebraska
Hensleigh, Albert D.....	Blanchard, Iowa
Hutcheson, Vinette.....	Sterling, Kansas
Hutchison, Ralph Cooper.....	Garden City, Kansas
Jacobs, Alice.....	Sterling, Kansas
Jamison, John H.....	Idana, Kansas
Kincaid, Howard Sidney Clinton.....	Sterling, Kansas
Kohr, Alice Elizabeth.....	Bostwick, Nebraska
Kohr, Eunice.....	Bostwick, Nebraska
McClellan, Harvey H.....	Olathe, Kansas
McCrea, Clara Grace.....	Sterling, Kansas
Monroe, Beneda.....	Sterling, Kansas

Patrick, Fred I.....	Anderson, Missouri
Polhamus, Loren G.....	Granby, Colorado
Pollock, Earl.....	Sterling, Kansas
Ralston, Clarence Rufus.....	Sterling, Kansas
Reid, John S.....	Holton, Kansas
Ritchie, Bessie.....	Sterling, Kansas
Shaw, Lela Blanche.....	Winchster, Kansas
Snair, Edna Miriam.....	Sterling, Kansas
Synder, Eva J.....	Sterling, Kansas
Sturgeon, Angie.....	Sterling, Kansas
Thompson, Daisy Ruth.....	Sterling, Kansas



FRESHMEN

Adams, Andrew Calvin.....	Sterling, Kansas
Allison, Ernest M.....	Bristol, Colorado
Allison, Mary Agnes.....	Bristol, Colorado
Black, Anna Louise.....	Stafford, Kansas
Brown, Roy Douglas.....	Sterling, Kansas
Dill, Ernest.....	Eskridge, Kansas
Dill, Verner.....	Eskridge, Kansas
Dobbin, Dorothy E.....	Viola, Kansas
Edwards, John E.....	Lyons, Kansas
Edwards, Parker E.....	Sterling, Kansas
Edgar, Will M.....	Sterling, Kansas
Greer, Clarence M.....	Hutchinson, Kansas
Graham, Mary E.....	Fort Morgan, Colorado
Graham, Willard John.....	Fort Morgan, Colorado
Humphreys, John.....	Rock Island, Texas
Hutcheson, Chester Tippin.....	Sterling, Kansas
Johnston, Gray.....	Hutchinson, Kansas
Jones, Maggie Lee.....	Amoret, Missouri
Koontz, Ina Pearl.....	Jetmore, Kansas
Leslie, Edna G.....	Lyndon, Kansas
Lyons, Helen.....	Topeka, Kansas
McElroy, Elizabeth.....	Quinter, Kansas
McGranahan, Mary.....	Arkansas City, Kansas
Miller, Walter T. C.....	Jetmore, Kansas
Motter, Cleon.....	Abilene, Kansas
Patton, Mary Agnes.....	Sterling, Kansas
Robb, Elizabeth Alice.....	Quinter, Kansas
Robb, George Porter.....	Quinter, Kansas
Rumford, Carrie Etta.....	Jetmore, Kansas
Steele, Samuel A.....	Crabtree, Pennsylvania

Tippin, Ella Isabel.....	Holton, Kansas
Turner, Ralph S.....	Eskridge, Kansas
Work, Elizabeth J.....	Fort Morgan, Colorado



SUB-FRESHMEN

Cheatum, Claude.....	Sterling, Kansas
Dougherty, James Wilson.....	Sterling, Kansas
Royer, Karl.....	Winchester, Kansas
Stewart, Ralph.....	Sterling, Kansas



SPECIAL

Amos, Cora.....	Burlingame, Kansas
Battin, G. E.....	Ingalls, Kansas
Burgert, Ruth.....	Sterling, Kansas
McCrea, Dr. Maggie.....	Sterling, Kansas
Scholes, R. Wylie.....	Sterling, Kansas
Wingett, Mrs. F. C.....	Sterling, Kansas
Young, Clara.....	Sterling, Kansas



MUSIC DEPARTMENT



PIANO

Adair, Anna.....	Bristol, Colorado
Andrews, Luella.....	La Crosse, Kansas
Bell, Ruth.....	Sterling, Kansas
Campbell, Ross.....	Sterling, Kansas
Coleman, Martha.....	Sterling, Kansas
Davidson, Winifred.....	Plevna, Kansas
Dunmire, Frances.....	Sterling, Kansas
Gish, Virginia.....	Sterling, Kansas
Graham, Mary.....	Fort Collins, Colorado
Graham, Clara.....	Viola, Kansas
Henry, Vivian.....	Sterling, Kansas
Hollingsworth, Esther.....	Sterling, Kansas
Houghton, Verda.....	Sterling, Kansas
Hutcheson, Olive.....	Sterling, Kansas
Hutcheson, Sylvia.....	Sterling, Kansas
Jacobs, Alice.....	Sterling, Kansas
Jacobs, Theresa.....	Sterling, Kansas
Johns, Gladys.....	Sterling, Kansas
Johnson, Theresa.....	Sterling, Kansas
Kilbourne, Nelson.....	Sterling, Kansas
Klady, Zoe.....	Alden, Kansas
Lewis, May.....	Geneseo, Kansas
Linville, Sadie.....	Sterling, Kansas
Lyon, Fay.....	Sterling, Kansas
Maughlin, Irene.....	Sterling, Kansas
McCrary, Irene.....	Sterling, Kansas
McCrosky, Helen.....	Sterling, Kansas
Miller, Emma.....	Sterling, Kansas
Newby, Mary.....	Sterling, Kansas
Norris, Margaret.....	Raymond, Kansas
Park, Elsie.....	Sterling, Kansas
Potter, Helen.....	Sterling, Kansas
Preston, Gladys.....	Morning Sun, Iowa
Rich, Amanda.....	Abbyville, Kansas
Rich, Mary.....	Abbyville, Kansas
Ross, Francis.....	Sterling, Kansas
Ross, Mildred.....	Sterling, Kansas
Ross, Tom.....	Sterling, Kansas

Ross, Katherine.....	Sterling, Kansas
Roy, Edith.....	Sterling, Kansas
Shook, Mrs. R.....	Sterling, Kansas
Soule, Mrs. R.....	Sterling, Kansas
Shafer, Kula.....	Sterling, Kansas
Tubbs, Kate.....	Sterling, Kansas
Work, Elizabeth.....	Fort Morgan, Colorado
Warnock, Katherine.....	Fort Morgan, Colorado
Young, Clara.....	Sterling, Kansas
Zimmerman, Buford.....	Sterling, Kansas
Zimmerman, Carol.....	Sterling, Kansas
Zimmerman, Mae.....	Sterling, Kansas
Zimmerman, Ruth.....	Sterling, Kansas



STRINGED INSTRUMENTS AND ORCHESTRA

Bennett, Silas.....	Sterling, Kansas
Black, Louise.....	Stafford, Kansas
Campbell, Ross.....	Sterling, Kansas
Coleman, Martha.....	Sterling, Kansas
Farris, Hervey.....	Southwick, Idaho
Ferguson, Fern.....	Sterling, Kansas
Haynes, Chester.....	Sterling, Kansas
Hildeman, Carl.....	Sterling, Kansas
Hildeman, Erma.....	Sterling, Kansas
Hildeman, Emil Jr.....	Sterling, Kansas
Humphries, J. A.....	Sterling, Kansas
Leslie, Edna.....	Lyndon, Kansas
Linville, Sadie.....	Sterling, Kansas
Lovelady, Adelbert.....	Sterling, Kansas
Pinkerton, Roger.....	Pawnee, Nebraska
Potter, Harold.....	Sterling, Kansas
Straney, Milo D.....	Sterling, Kansas
Stubbs, Mrs. L. A.....	Sterling, Kansas
Wright, Douglass.....	Sterling, Kansas
Zimmerman, Paul.....	Sterling, Kansas



VOCAL

Adair, Anna.....	Bristol, Colorado
Adair, Sara.....	Bristol, Colorado
Adams, Andrew.....	Sterling, Kansas

Altland, Lee.....	Sterling, Kansas
Black, Louise.....	Stafford, Kansas
Black, William.....	Stafford, Kansas
Brown, Amy.....	Sterling, Kansas
Cuthbertson, Nina.....	Sterling, Kansas
Dill, Elmer.....	Sterling, Kansas
Dougherty, Wilson.....	Sterling, Kansas
Edgar, Will.....	Sterling, Kansas
Farris, Hervey.....	Southwick, Idaho
McMillan, Mary.....	Greeley, Colorado
Findley, Janet.....	Sterling, Kansas
Gault, Rosalie.....	Sterling, Kansas
Gish, Frances.....	Sterling, Kansas
Graham, Clara.....	Viola, Kansas
Graham, Mary E.....	Fort Morgan, Colorado
Graham, Willard.....	Fort Morgan, Colorado
Greer, Clarence.....	Hutchinson, Kansas
Haynes, Margaret.....	Sterling, Kansas
Henry, Blanche.....	Sterling, Kansas
Henry, Jay.....	Sterling, Kansas
Honeyman, Hazel.....	Colorado Springs, Colorado
Hooten, Verda.....	Sterling, Kansas
Humphries, Arthur.....	Sterling, Kansas
Hutchison, Ralph.....	Garden City, Kansas
Jacobs, Theresa.....	Sterling, Kansas
Johnston, Gray.....	Hutchinson, Kansas
Kincaid, Howard.....	Sterling, Kansas
Leslie, Edna.....	Lyndon, Kansas
Lewis, May.....	Geneseo, Kansas
Lewis, Kate.....	Geneseo, Kansas
Long, C. C.....	St. John, Kansas
Patrick, Fred I.....	Anderson, Missouri
Philips, Thelma.....	Sterling, Kansas
Pinkerton, Roger.....	Pawnee City, Nebraska
Potter, Helen.....	Sterling, Kansas
Preston, Gladys.....	Morning Sun, Iowa
Ralston, Clarence.....	Sterling, Kansas
Scholes, Wylie.....	Sterling, Kansas
Steele, Samuel.....	Crabtree, Pennsylvania
Stormont, Eunice.....	Sterling, Kansas
Straney, Milo.....	Sterling, Kansas
Warnock, Arthur.....	Sterling, Kansas
Work, Elsie.....	Loveland, Colorado
Wright, Frank.....	Hillsboro, Iowa

ART

Baker, Clara.....	Sterling, Kansas
Brown, Floy V.....	Sterling, Kansas
Burgert, Ruth.....	Sterling, Kansas
Currie, Margaret.....	Sterling, Kansas
Cuthbertson, Mrs. A.....	Sterling, Kansas
Cuthbertson, Nina.....	Sterling, Kansas
Coleman, Martha.....	Sterling, Kansas
Crebbs, Mrs. Charles.....	Sterling, Kansas
Dill, Mrs. Isabel.....	Sterling, Kansas
Duff, Mrs. J. W.....	Sterling, Kansas
Dunmire, Frances.....	Sterling, Kansas
Dymond, Lucetta Heter.....	Sterling, Kansas
Farrar, Anne.....	Frankfort, Kansas
Ferguson, Fern.....	Sterling, Kansas
Ginter, Claire.....	Lyons, Kansas
Goodspeed, Laura.....	Hennessey, Oklahoma
Hanks, Mrs. W. W.....	Sterling, Kansas
Haynes, Mrs. F.....	Sterling, Kansas
Henry, Blanche.....	Sterling, Kansas
Horton, Elizabeth.....	Sterling, Kansas
Hutcheson, Vinnette.....	Sterling, Kansas
Inches, Myrtle.....	Sterling, Kansas
Isern, Mrs.....	Alden, Kansas
Johnston, Josephine.....	Saxman, Kansas
Kinnamon, Lenora.....	Sterling, Kansas
Lowry, Azetta.....	Sterling, Kansas
Morris, Etta Linville.....	Wichita, Kansas
Mustard, Daveda.....	Sterling, Kansas
Ott, Ruth.....	Sterling, Kansas
Peck, Charaldine.....	Sterling, Kansas
Pence, Thelma.....	Sterling, Kansas
Ross, Kathryn.....	Sterling, Kansas
Snair, Edna.....	Sterling, Kansas
Snyder, Eva.....	Sterling, Kansas
Soule, Mrs. R.....	Sterling, Kansas
VanPatten, Mrs. Guy.....	Sterling, Kansas
VanPatten, Lowell.....	Sterling, Kansas
Yaggy, Anna.....	Nickerson, Kansas



MECHANICAL DRAWING

Adams, J. R.....	Sterling, Kansas
Guttery, Charles.....	Sterling, Kansas
Miller, Geo. E.....	Massillon, Ohio
Stavely, Frederick W.....	Lyndon, Kansas

SCHOOL OF EXPRESSION



PRIVATE PUPILS

Adams, Clara.....	Sterling, Kansas
Adams, Ella.....	Sterling, Kansas
Allison, Mary.....	Bristol, Colorado
Andrews, Luella.....	LaCrosse, Kansas
Black, William.....	Stafford, Kansas
Cabeen, Mary.....	Blanchard, Iowa
Campbell, Ross.....	Sterling, Kansas
Douglass, Grace.....	Raymond, Kansas
Gault, Rosalie.....	Sterling, Kansas
Gish, Virginia.....	Sterling, Kansas
Henry, Lulu.....	Sterling, Kansas
Honeyman, Hazel.....	Colorado Springs, Colorado
Hutcheson, Vinette.....	Sterling, Kansas
Lewis, Kate.....	Geneseo, Kansas
Lewis, May.....	Geneseo, Kansas
Loesch, Minnie.....	Raymond, Kansas
Mincer, Lionel.....	Sterling, Kansas
McCrary, Jeannette.....	Sterling, Kansas
McFarland, Carrie.....	Billings, Oklahoma
McKnight, Mary.....	Chetopa, Kansas
Patton, Agnes.....	Sterling, Kansas
Pieler, Miss.....	Alden, Kansas
Pinkerton, Roger.....	Pawnee City, Nebraska
Patrick, Fred.....	Anderson, Kansas
Russell, Ruth.....	Duqoin, Kansas
Stewart, Margaret.....	Sterling, Kansas
Strain, Helen.....	Jamestown, Kansas
Stormont, Eunice.....	Sterling, Kansas
Thornburg, Lewis.....	Winchester, Kansas
Turner, William.....	Sterling, Kansas
Warnock, Harold.....	Streling, Kansas
Wherry, Neal.....	Sterling, Kansas
Wingett, Mrs. Ella.....	Sterling, Kansas
Work, Elsie.....	Loveland, Colorado



PUBLIC SPEAKING

Allison, Ernest.....	Bristol, Colorado
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Allison, Mary.....	Bristol, Colorado
Altland, Lee.....	Sterling, Kansas
Dobbin, Dorothy.....	Viola, Kansas
Edwards, Parker.....	Sterling, Kansas
Graham, Mary.....	Fort Morgan, Colorado
Garberson, Bessie.....	Storm Lake, Iowa
Henry, Lulu.....	Sterling, Kansas
Humphreys, John.....	Rock Island, Texas
Jamison, John.....	Idana, Kansas
Lewis, May.....	Geneseo, Kansas
Loesch, Minnie.....	Raymond, Kansas
McCrary, Jeanette.....	Sterling, Kansas
McClure, Ray.....	Sterling, Kansas
McFarland, Carrie.....	Billings, Oklahoma
Miller, Walter.....	Jetmore, Kansas
Patton, Agnes.....	Sterling, Kansas
Pollock, Earl.....	Sterling, Kansas
Ralston, Clarence.....	Sterling, Kansas
Ritchie, Elizabeth.....	Sterling, Kansas
Thornburg, Lewis.....	Winchester, Kansas
Wingett, Mrs. Ella.....	Sterling, Kansas



SUMMARY OF ENROLLMENT

Post Graduate.....	2	
Collegiate—		
Seniors.....	20	
Juniors.....	20	
Sophomores.....	36	
Freshmen.....	33	
Sub-Freshmen.....	4	
Special.....	7	
	<hr/>	
Total Literary.....	122	122
Music—		
Piano.....	51	
Voice.....	47	
Stringed Instruments.....	20	
	<hr/>	
Total	118	118
Art		38
Expression—		
Private.....	34	
Public Speaking.....	22	
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Total	56	56
		<hr/>
Grand Total Enrollment.....		334
Less names repeated.....		118
		<hr/>
Net enrollment.....		216

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